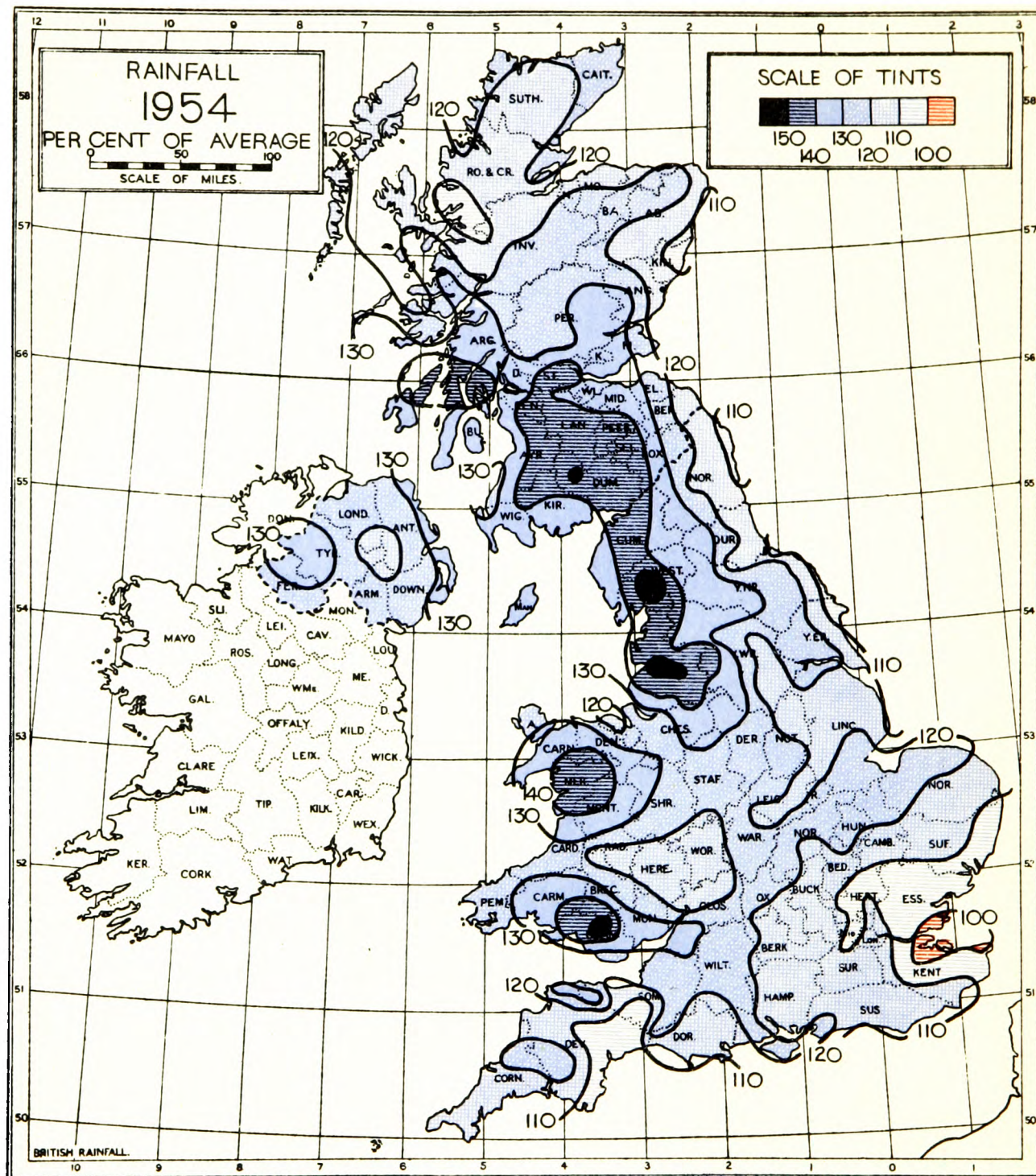


RELATION OF RAINFALL IN 1954 TO THE AVERAGE OF 1881-1915



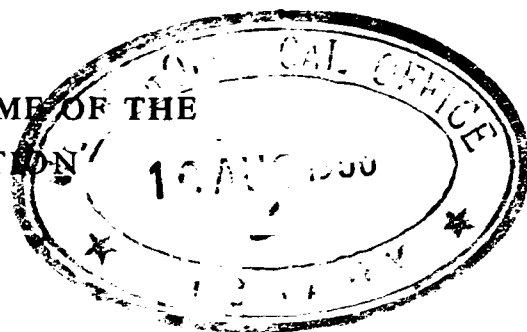
The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average

METEOROLOGICAL OFFICE

BRITISH RAINFALL

1954

THE NINETY-FOURTH ANNUAL VOLUME OF THE
BRITISH RAINFALL ORGANIZATION



*Report on the
Distribution of Rain*

in space and time over Great Britain
and Northern Ireland during the year 1954
as recorded by about 5,000 observers

6627

WITH MAPS

LONDON
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1956

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BRITISH RAINFALL 1954

PART I

1 The Work of the British Rainfall Organization

“BRITISH RAINFALL 1954.” The present volume is in the same form as that for 1953 and retains the main features of preceding volumes, thus enabling comparison to be made between the rainfall of 1954 and that in earlier years. The series of maps showing monthly, seasonal and annual percentages of average has been continued, the annual map appearing as a coloured plate, wherein the scale of tints of blue for more than average and of red for less than average has also been continued.

LOCAL ORGANIZATIONS. Most of the rainfall returns from which this volume has been compiled are sent by the observers direct to the Meteorological Office, but in some regions there are local organizations who have greatly assisted by collecting rainfall returns for forwarding to the Office and by stimulating interest in weather recording. Among the officials of such organizations there should be mentioned Mr. C. W. Boddington of the Northamptonshire Natural History Society; Mr. R. S. Copeman of the Norfolk Rainfall Organization; the Librarian, North Devon Athenaeum; Mr. E. L. Kelting of the Somerset River Board; and Mr. D. W. Bogle of the Cornwall Rainfall Association.

Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company, forwarded returns from several stations in Jersey, and Mr. W. N. McCall, Burgh Surveyor of Kilmarnock, continued the collection of records in Ayrshire.

The exchange of information with the

Director of the Meteorological Service of the Irish Republic was continued and also with Captain W. N. McClean.

THE OBSERVERS. The information on the rainfall in 1954 presented in this volume is based on the collection of about 5,500 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume), the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of *British Rainfall* would not have been possible.

The total number of records printed in Part II of this volume is 5,168. As many as 307 additional records are included, while 253 records printed in *British Rainfall* 1953 have dropped out of the table.

The net gain in England was 27, in Wales 13, in Scotland 12, and in Northern Ireland 2, a total gain of 54.

Among the additional rainfall records included in this volume the following are of special interest: three from stations set up by the Guildford, Godalming and District Water

Board near Hambledon, Chilworth and Gomshall; records from the Astronomer Royal at Herstmonceux; from the Plumpton School of Agriculture, near Lewes, and from Everton Horticultural Experimental Station near Lymington. Two further records were received from the Stevenage Development Corporation and two, Ipswich and Benacre, from the East Suffolk and Norfolk River Board. Readings from Fifehead Magdalen were sent by Col. R. C. S. Hodgson through the Avon and Dorset River Board, and from Launceston by the Cornwall River Board. Mr. E. L. Kelting, Chief Engineer to the Somerset River Board, sent two additional records, Misterton and Kingston St. Mary, and the Engineer and Surveyor, Minehead, sent a record from Nut-scale Reservoir, Porlock, at an altitude of 1,000 feet. Reports were sent from Preston, Haverthwaite, Clitheroe, Horton-in-Ribblesdale and Levens by the Lancashire River Board. Seven new records are published from the Fylde Water Board, from gauges around Settle and Slaidburn at heights up to 1,224 feet; useful records were also contributed from isolated gauges at Hawes in Wensleydale and Keld in Swaledale by the Yorkshire Ouse River Board, and Mr. H. P. Joyce, Water Engineer, Batley, sent a record for Holmbridge (Lightens Road), at 1,473 feet.

New Welsh records included those at Machynlleth and Gogerddan; at Pont Marteg in the upper Wye Valley from Mr. W. Bufton, and on Ruabon Mountain at 1,634 feet, from the Engineer to the Wrexham Waterworks.

The North of Scotland Hydro-Electric Board were responsible for 21 new rainfall stations, the majority around Loch Tay and on the slopes of Ben Lawers, the highest at 2,500 feet, and several around Loch Quoich, including a revival of the very wet station at Loan.

Rainfall records for earlier years were received from many sources. Among these may be mentioned the records kept at Llanerch Park Gardens, between Denbigh and St. Asaph, 1934 to 1941, supplied by Mr. S. E. Ashmore, from a site close to that for which records were published 1873 to 1877; at

Barnoldswick County Secondary School, 1943 to 1953, from Mr. C. R. Nutter; at Simonburn (Park End), near Hexham, 1937 to 1948, from Mr. A. H. Ridley; at Lowestoft (St. Margaret's Road), 1950 to 1953, from the Engineer to the Lowestoft Water Company; at Woking (St. John's Hill Road), 1938 to 1951, from Prof. H. M. Turnbull; at Pinchinthorpe House, near Guisborough, 1950 to 1953, from Mr. H. G. W. Debenham; at Renhold, to the north-east of Bedford, 1945 to 1953, from Mr. C. Gordon Barber; at Ramsey (Ballure Reservoir) and Peel (Glen Maye Filter House) for 1953 from the Isle of Man Water Board; at Uppingham (Seaton Mill) and Corby (Irnham Hall) both from 1945 to 1952 from the Welland River Board; at South Brent (Bala Brook) from 1950 to 1953 from South Devon Water Board.

INVESTIGATIONS. The annual article on the rainfall of the previous year appeared in *The Times* of January 13.

The Meteorological Office was represented on the Hydraulics Committee of the Institution of Civil Engineers by Dr. J. Glasspoole, and on the Hydrological Research Group of the Institution of Water Engineers by both Dr. J. Glasspoole and Mr. A. Bleasdale. The Director of the Meteorological Office was also represented on the Hydrology Sub-Committee of the National Committee for Geodesy and Geophysics (Royal Society).

On the recommendation of the British Rainfall Organization Fund Committee, the Council of the Royal Meteorological Society agreed to lend a limited number of rain-gauges to suitable observers in remote districts; full details were set out in *Weather*, December 1953, and in the *Meteorological Magazine*, August 1954.

The Hydraulics Committee of the Institution of Civil Engineers prepared a review outlining recent developments in the fields of (a) Rainfall and run-off, (b) Flow in open channels and (c) Flow in closed pipes.

Co-operation has continued with the Department of Scientific and Industrial Research, Road Research Laboratory, on surface

water drainage problems. The Meteorological Office is represented on the newly formed Joint Committee on Rainfall and Run-off set up by the Department of Scientific and Industrial Research (Road Research Laboratory) and the Ministry of Housing and Local Government.

The Committee aims at investigating the relationship between rainfall and run-off for typical areas in newly developed areas as well as for urban areas with the older type of development. The provision of recording rain-gauges in suitable sites is an essential part of such investigations, and the areas of older development in particular often present difficulties. In order to ascertain whether intense falls of rain are more frequent in one part of the country than another it is essential to have tabulations, in a standard form, of the records from recording rain-gauges. A scheme is being prepared with a view to obtaining more adequate tabulations for future use.

Instrumentation for the special investigation at Cardington (Bedfordshire), using a network of 16 synchronised recording rain-gauges with a very open time-scale, over an area of 4 square miles, reached an advanced stage. The detailed and accurate analysis of the variations in time of the areal distribution of intense rainfall, which should cover a period of several years, will be of direct value in surface water drainage problems and will serve a number of other practical requirements as well as being of general meteorological interest.

The Evaporation Sub-Committee of the Hydrological Research Group of the Institution of Water Engineers which planned an investigation of evaporation from a storage reservoir covering 40 acres at Kempton Park was fortunate in obtaining the co-operation of the Metropolitan Water Board in this endeavour. The Board undertook not to use this reservoir except during emergency and members of the staff under the Resident Engineer at Kempton Park Waterworks are making the routine daily observations required. The investigation is beginning to yield data, although it will be some time before sufficient

are available for a useful report. Readings from the evaporation tank are available from 14 September 1954 and of changes in level of the reservoir from 22 June 1955. A comparison will thus be possible between losses by evaporation from the reservoir, by evaporation from a standard evaporation tank and by computations based on the climatological data at the nearby stations of Hampton and Kew.

A report on the Snow Survey of Great Britain for the season 1953–54 was prepared and published in the *Meteorological Magazine*, December, 1954, and an account of The Snow of January and February 1955 in the *Meteorological Magazine*, May, 1955. A number of new observers were recruited to the Survey, particularly in hilly areas previously unrepresented. The outstanding problem is that of securing more accurate recording of the amount and density of snow over the country from the hydrological aspect.

A discussion meeting, with invited experts, on "Water Supply" was held by the Royal Meteorological Society on November 17, 1954; Dr. J. Glasspoole spoke on the rainfall aspect—see *Q. J. R. Met. Soc.*, April, 1955, pp. 268–273.

Mr. C. H. Archer continued his investigation of the wettest parts of Exmoor, which he commenced in 1951. It appears from observations so far made that the annual average (1881–1915) over the highest ground around the Chains and near Kinsford Gate is about 70 inches.

Some progress was made with the preparation of rainfall averages for the period 1916–50.

INLAND WATER SURVEY. With the reinstatement of the Inland Water Survey, the first concern was the preparation of the Surface Year Book covering the eight water years 1945–53. The three earlier volumes, published by the Ministry of Housing and Local Government and Scottish Office, dealt with run-off and rainfall data for specified areas for the water years, 1935–36, 1936–37 and 1937–1945, so that with the publication of this fourth volume, run-off records for 18 years will become

available. The number of river-gauging stations has continued to increase and for the fourth volume estimates of the general monthly rainfall for some 80 areas were prepared.

RIVER BOARDS. Work has continued in collaboration with the River Boards in obtaining a representative distribution of rainfall stations, which might be expected to remain permanent and also serve in estimating the general rainfall for areas where run-off data are likely to become available. Most of the 32 River Boards covering England and Wales are already co-operating. The nature and scope of the work done for river boards varies a good deal, but in many cases daily rainfall amounts or maps showing the distribution of monthly rainfall are supplied regularly.

INSPECTIONS. The inspection of the rainfall stations published in *British Rainfall* has always been considered of great importance. During the war few inspections were possible and, with the object of inspecting all reporting stations at least once in 10 years, a member of the staff was allocated during the year for this work. This enabled some 150 stations to be inspected, mainly in the neighbourhood of London, e.g. those maintained by the Surrey County Council, Middlesex County Council, Southend Waterworks, Lee Conservancy, East Surrey Water Company, Woking U.D.C., and Middle Level Commissioners. In addition, 9 stations were inspected in the area of the N.W. Sussex Joint Water Board, and 8 sites selected for additional rain-gauges to be maintained by the Staffordshire Potteries Water Board.

The Meteorological Office in Edinburgh carried out inspections of some 165 rainfall stations in Scotland, while the rain-gauges were included in the inspection of about 150 climatological stations in Great Britain and Northern Ireland.

INQUIRIES. As in previous years inquiries regarding rainfall in various parts of the country covered a very wide field. They included many requests for records defining the rainfall experienced during specified periods in specified localities, the supply of estimates of the average annual and monthly rainfall for given areas, advice on the provision of equipment and the best exposure for rain-gauges. Information was supplied in connection with water supply, drainage and hydro-electric schemes, including that for areas in the Loch Turret area, Perthshire; in Glen Usinish above Loch Corodale in the Outer Hebrides; for the Corporation Waterworks of Cardiff and Liverpool; for the Thames Valley above Day's Weir; the River Lune above Lancaster during December 1954 when flooding occurred.

In particular, information was also supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland were furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lee Conservancies. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular

Name	Last place of observation	No. of years' records
Mr. H. R. Coventry	Chippenham, Wiltshire .. .	50
Mr. W. G. Rutter	Pulham St. Mary, Norfolk .. .	49
Mr. William Berry	Newport, Fife .. .	49
Earl of Mar and Kellie .. .	Alloa House, Clackmannanshire .. .	47
Mr. F. C. Hornsey	Wood Green, Middlesex .. .	43
Mr. J. E. Gladstone	Braunton, Devon .. .	42
Major A. A. Dorrien-Smith, D.S.O. ..	Tresco Abbey, Scilly .. .	37
Rev. M. de Courcy-Ireland	Cambridge .. .	35

monthly issue of rainfall maps and data to industrial firms, Government Departments, consulting engineers, local authorities and numerous River Boards was continued.

The Meteorological Office, Edinburgh, dealt with numerous inquiries from legal and insurance firms and from the Press. The less routine inquiries covered a wide variety of subjects such as water supply, drainage, agriculture, location of industries, road repair and building work.

OBITUARY. During the twelve months ending June 30, 1955, reports were received of the deaths of 42 observers who had contributed to volumes of *British Rainfall*. Of these, 8 kept rainfall records for 35 years or more. A list of these is given on page 4.

Mr. H. R. Coventry contributed returns for half a century from 1903 until a month before his death in June, 1953.

Mr. W. G. Rutter also commenced recording in 1903 and in 1913 he set up a second station at Ditchingham, which was later continued by his son.

Mr. William Berry sent records from Tayfield, Newport, in the north of Fifeshire from May 1905. Until his death on April 18, 1954, Mr. Berry attended personally to all correspondence about the records. The readings are being continued at Tayfield by his son, Dr.

John Berry of the Edinburgh Office of the Nature Conservancy.

The Earl of Mar and Kellie, who died on June 3, 1955, began recordings at Alloa House in 1908. The Earl took a personal interest in the returns and raised with the Meteorological Office several points concerning the rainfall of the Alloa district.

Mr. F. C. Hornsey observed at Wood Green from 1907 until he retired in 1951 at the age of 82 years, having worked with Messrs. Negretti and Zambra, Instrument Makers, for over 50 years.

Mr. J. E. Gladstone forwarded readings from Llandaff, near Cardiff, from 1908 to 1934 and the record was continued there until 1947. Mr. Gladstone moved to Braunton, Devon, where readings were made from 1937 until 1952.

Major A. A. Dorrien-Smith, D.S.O., who died in May, 1955, at the age of 79, had sent readings from Tresco Abbey since 1918, records from his family having been received since 1870 and published in *British Rainfall* since 1885.

The Rev. M. de Courcy-Ireland contributed returns from Abington Pigotts Hall, to the south of Cambridge, from 1920 to 1947 and from the nearby Litlington Vicarage from 1927 to 1946. He also forwarded records from Cambridge from 1948 to 1954.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1954

To obtain a homogeneous series of statistics the following definitions are used in *British Rainfall*:

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 01$ inch or 0.2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 04$ inch or 1.0 mm. or more of rain is recorded.

The former definition dates from the year 1865; the latter was adopted in 1919.

Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days have been published in the *Climatological Atlas of the British Isles*, but similar maps of wet-days have not yet been prepared.

Information as to the number of rain-days and wet-days in 1954 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 7.

A comparison of the number of wet-days over England and Wales in each month of 1954 with corresponding figures for the previous 12 years and also with the average values for 30 years (1919–1948) is facilitated by Table 2A.

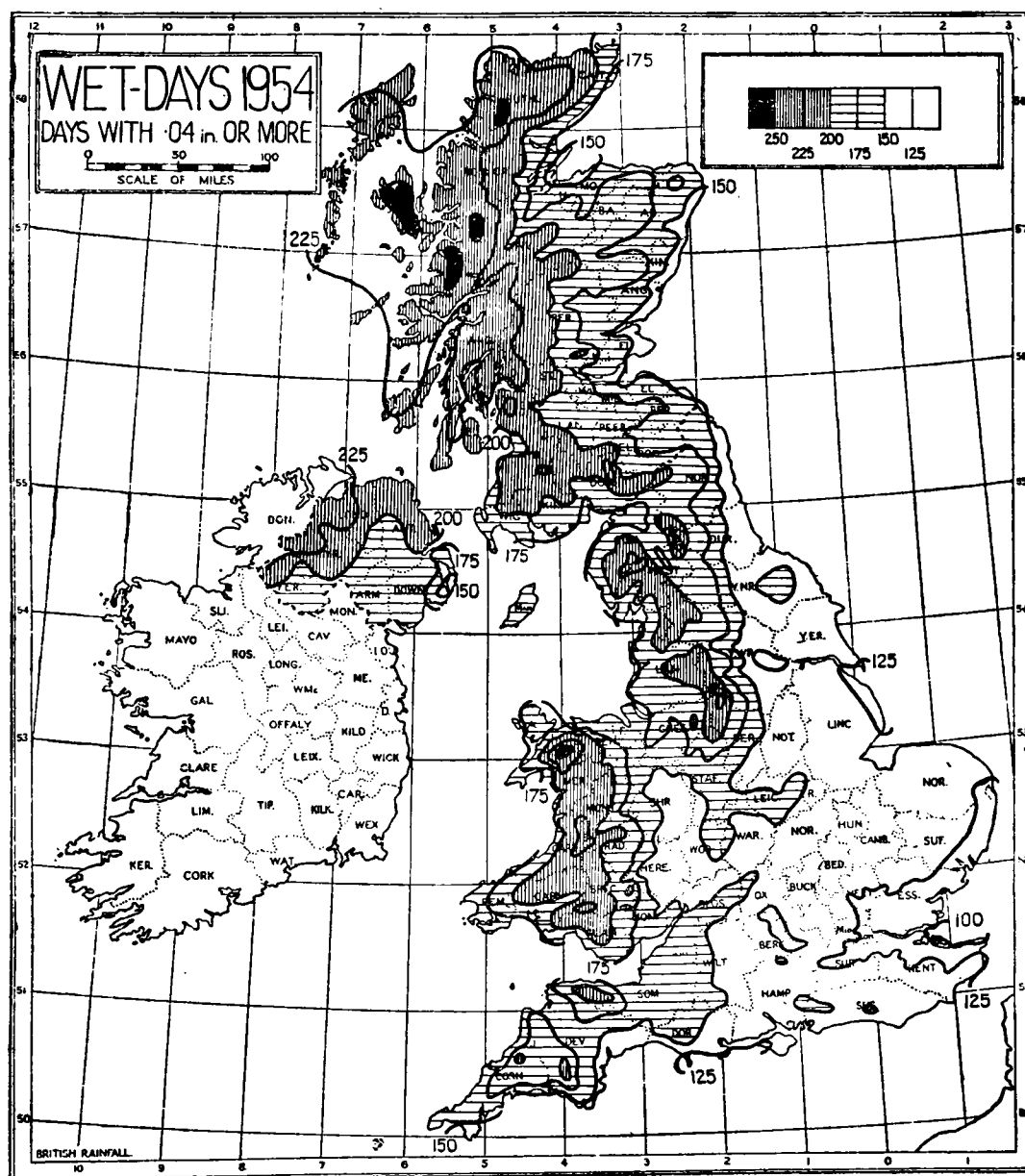
To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly

as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3c, Droughts and Dry Spells, and of Table 4c, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2B. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8c.

The map of the annual number of wet-days in 1954 shows a distribution which, in the main, is similar to that in earlier years. Broadly speaking the number of wet-days increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west.

There were 152 wet-days in 1954 over England and Wales as a whole, which was 14 more than the average and 40 more than in the previous year. Since 1919 only five years have yielded a greater number, of which the most recent year was 1951, the other four years occurring within the period 1923 to 1930. Scotland had 196 wet-days, 22 more than the average and 30 more than the previous year; this is the largest number since 1923 which had 206 wet-days. Northern Ireland's total of 198 wet-days was 46 more than in the previous year, but was equalled as recently as 1950.

In 1954 only from a few stations confined



to the neighbourhood of the Thames Estuary were fewer than 100 wet-days reported, e.g., 89 at Margate, 95 at Eastchurch, 97 at Whitstable and 98 at Barking. Totals exceeding 250 wet-days occurred in Snowdonia and parts of the north-west of Scotland. Totals at the selected stations ranged from 108 at Southend to 255 at Loch Shin in Sutherland.

The number of rain-days over England and Wales as a whole was 205, or 17 more than the 1881-1915 average, and over Scotland there

were 247, or 30 more than average. Compared with the previous year, 1954 had 47 more rain-days over England and Wales, 32 more over Scotland and 45 more over Northern Ireland. The number for 1954 was the largest for England and Wales since 1930 with 207, for Scotland since 1923 with 257 and for Northern Ireland since 1943 with 263 rain-days. The range over Great Britain and Northern Ireland at the selected stations was from 163 at Lowestoft to 304 at Loch Shin in

the north of Scotland. Areas with fewer than 150 rain-days occurred around the Thames Estuary, while those with 300 rain-days were confined to the north-west of Scotland.

The month with the greatest number of rain-days generally over England and Wales was November with 22; Scotland recorded 26 in both October and December, while Northern Ireland had 27 in October. The smallest numbers occurred in April, with 6, 12 and 10 respectively. This was the smallest April total over England and Wales since that of 1938 with 4, and over Scotland since 1942 with 11. October gave the greatest number over both England and Wales and Scotland for that month since 1938, when similar values were recorded.

The large number of rain-days recorded for 1954 was due to frequent rains during the second half of the year, since the total number from January to July over England and Wales and from January to June over Scotland approximated closely to the average. Over England and Wales the general number of rain-days for the six months June to November amounted to 117, compared with an average of 92, and was more than in any similar period since before 1919, the next largest being 112 for June to November 1927. Over Scotland the six months July to December gave 144

rain-days, compared with an average of 113, and more than in any similar period since before 1919, the next largest being 143 for July to December 1923.

Over England and Wales 89 of the 117 rain-days from June to November ranked as wet-days, and over Scotland from July to December 119 out of the 144 rain-days ranked as wet-days. The number of wet-days has not been exceeded in any similar periods since before 1919, although Scotland had 119 also in 1923. The number of wet-days was greatest in November over England and Wales, December over Scotland and September over Northern Ireland. The least numbers occurred in April, the mean numbers being 4, 8 and 6 respectively.

Amongst the selected stations the largest numbers of rain-days occurred in October with 31 at Loch Shin (of which 27 were wet-days). In fact out of the 122 days during September to December Loch Shin had 120 rain-days. The largest number of wet-days in any month was 28, which occurred at a few stations in the north-west of Scotland in October and December. The smallest number of rain-days and wet-days occurred in April—three rain-days at Southampton, South Farnborough, Teignmouth and Ross-on-Wye, and one wet-day at Teignmouth and Ross-on-Wye.

**Table 2A Monthly Number of Wet-Days (Days with .04 inch or more)
over England and Wales 1942–1954**

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1942	14	5	10	7	13	3	11	14	12	13	7	17	126
1943	20	8	5	8	10	10	9	14	12	12	15	8	131
1944	13	9	4	9	6	11	11	9	13	16	19	12	132
1945	13	13	6	8	13	14	8	10	11	10	5	15	126
1946	12	12	7	8	10	15	10	16	16	6	18	16	146
1947	14	8	20	11	11	11	11	2	9	5	12	12	126
1948	22	10	6	9	9	15	8	14	9	11	9	13	135
1949	9	7	7	9	10	4	6	7	6	15	16	14	110
1950	7	16	8	15	9	8	12	16	18	9	18	13	149
1951	15	17	17	12	12	7	7	16	11	6	20	14	154
1952	15	6	11	10	10	9	6	12	13	14	13	16	135
1953	6	9	4	12	9	10	14	10	11	9	10	8	112
1954	10	14	12	4	11	12	13	15	16	15	18	12	152
Average*	15	11	10	11	10	9	11	11	11	12	13	14	138

* Average for 30 years, 1919–1948.

Table 2b. Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1954

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain- fall.
ENGLAND AND WALES															in.
London 2	St. Pancras (Camden Square) .	10 7	15 13	16 13	5 3	16 11	16 13	17 13	15 11	19 15	15 8	18 13	8 4	170 124	25.91
Kent 1	Dover (Waterloo Crescent) . . .	14 11	16 15	15 12	5 2	14 8	14 8	15 11	13 10	23 12	15 11	16 14	17 10	177 124	29.04
" 4	Edenbridge (Falconhurst)	13 8	15 13	17 12	8 6	14 13	14 13	14 10	13 12	19 15	17 9	21 17	14 7	179 135	33.33
Sussex 3	Worthing (Beach House Park) . . .	11 5	19 12	18 12	7 3	12 8	12 11	14 10	17 13	23 18	18 9	23 18	14 9	188 128	30.28
Hampshire . . .1	St. Catherine's Pt. Lighthouse .	12 7	16 15	17 14	4 3	15 10	12 9	13 7	15 9	26 16	19 14	21 18	16 10	186 132	34.57
" 4	Southampton (East Park)	12 6	19 16	19 12	3 2	16 10	17 12	15 8	16 14	21 13	20 11	22 18	17 9	197 131	34.83
" 8	South Farnborough (R.A.E.) . . .	11 6	17 14	18 12	3 2	17 14	16 11	16 7	15 12	18 13	12 7	22 16	11 5	176 119	29.73
Hertford 2	Harpenden (Rothamsted)	11 6	17 13	18 11	6 2	14 11	15 12	18 14	17 14	14 14	16 8	20 16	16 5	182 126	29.78
Oxford 3	Oxford (Radcliffe Met. Stn.) . . .	11 8	18 11	17 12	9 2	17 11	17 11	16 10	20 15	22 13	20 10	25 16	14 8	206 127	28.80
Northampton .4	Wellingborough (Swanspool) . . .	11 9	16 13	13 10	4 3	16 12	15 9	19 15	18 12	20 15	20 15	20 14	13 11	185 138	29.07
Huntingdon . .1	Whittlesea Mere	12 6	20 13	11 10	8 2	17 12	12 9	16 13	20 16	20 15	17 14	19 16	11 7	183 133	27.93
Cambridge . . .2	Cambridge (Botanic Gardens) . . .	10 4	19 13	13 11	6 4	15 10	15 8	18 13	19 15	18 11	16 9	20 15	10 8	179 121	24.93
Essex 2	Southend (Waterworks)	14 8	15 12	15 11	7 4	17 12	12 8	14 9	15 9	16 9	13 8	23 14	14 4	175 108	20.73
" 5	Halstead (The Brewery)	13 9	16 12	15 12	7 3	14 8	13 11	22 14	17 15	18 9	15 9	18 13	13 7	181 122	24.47
Suffolk 4	Lowestoft (Secondary School) . . .	14 8	14 10	13 10	6 3	9 9	11 7	16 11	17 16	16 11	16 10	21 13	10 7	163 115	24.79
Norfolk 3	Sandringham House Gardens . . .	17 11	21 16	12 10	8 3	12 8	12 11	19 16	21 17	20 14	17 14	18 17	14 8	191 145	32.82
Devon, S. 5	Teignmouth (Den Gardens)	9 8	19 13	18 15	3 1	12 10	12 7	15 9	17 10	19 13	22 12	21 18	17 8	184 124	32.53
Devon, N. . . .1	Ilfracombe (Bowling Green)	14 10	20 18	17 14	4 3	10 8	15 13	18 14	17 11	25 18	24 19	20 18	23 16	207 162	50.33
Cornwall 1	Bude (School House)	15 13	21 16	19 14	6 5	8 7	17 15	17 17	17 12	23 18	26 21	21 17	21 12	211 167	38.56
" 2	St. Austell(PoltairPublicGdns.) .	18 15	20 18	21 16	6 5	14 11	19 14	21 16	21 14	25 18	28 20	22 18	26 18	241 183	51.59
" 4	Scilly (Tresco Abbey)	19 11	22 18	18 14	6 6	13 9	18 15	21 14	17 11	23 19	24 15	20 17	21 11	222 160	37.52
Somerset 1	Bath (Henrietta Park)	14 10	17 13	17 14	4 3	17 9	15 12	17 13	19 12	22 18	21 17	22 21	17 10	202 152	37.51
" 3	Taunton (Vivary Park)	14 9	19 13	19 13	4 2	17 10	13 9	17 11	16 10	20 16	25 11	26 20	17 8	207 132	29.48
Hereford 1	Ross-on-Wye	14 9	18 12	14 11	3 1	16 12	12 8	15 9	15 11	19 14	19 15	19 18	11 7	175 127	31.57
Shropshire . . .3	Shrewsbury (Monkmore)	16 11	20 16	17 9	7 4	14 7	15 12	21 12	21 17	23 13	20 17	24 15	18 11	216 144	30.60
Warwick 1	Leamington Spa (Pump Room Gardens)	14 7	17 11	15 11	9 6	18 14	16 9	21 14	20 17	20 14	22 17	21 16	17 8	210 144	29.63
Leicester 4	Loughbor'gh(Nanpantan Res.) .	13 6	20 12	12 11	6 4	16 12	15 9	19 11	19 16	18 14	18 15	21 17	15 11	192 138	34.60
Lincoln 3	Horncastle	13 9	17 14	13 9	6 4	12 10	19 12	17 10	21 17	18 13	17 13	22 17	14 11	189 139	28.55
Nottingham . .5	Mansfield (Carr Bank)	14 11	18 13	13 9	6 3	17 12	14 12	18 11	22 18	19 15	19 14	20 18	17 9	197 145	32.83
Cheshire 2	Northwich (Hunts Lock)	15 11	17 14	17 10	8 5	16 12	16 15	22 16	22 17	21 17	22 20	24 18	22 19	222 174	39.27
" 3	Birkenhead (Bidston Obsy.) . . .	16 10	19 11	12 9	6 5	15 9	16 11	19 16	19 15	25 17	24 17	22 15	20 18	213 153	35.75
Lancs, C. 1	Squires Gate Airport	18 11	18 14	14 9	7 4	16 11	18 10	20 16	21 17	26 20	22 20	24 22	21 19	225 173	45.24

Table 2B. Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1954 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
ENGLAND AND WALES (continued)	Wakefield (Clarence Park)....	17 7	20 11	17 11	6 3	15 10	11 7	16 12	18 16	18 13	18 14	20 16	17 14	193 134	28.93
	Hull (Pearson Park)	10 8	18 14	12 9	5 2	16 10	16 11	14 10	21 20	16 12	17 13	18 18	14 10	177 137	31.31
	Felixkirk (Mount St. John)...	17 10	18 13	17 10	5 4	15 10	15 11	17 11	22 19	22 16	18 15	18 17	16 10	200 146	34.48
	Scarborough.....	15 9	20 16	13 10	6 3	13 8	13 7	15 11	24 18	14 12	19 14	22 15	13 10	187 133	26.15
	Durham (Houghall Hort. Stn.)	18 15	22 11	16 12	6 4	16 12	14 12	12 8	21 19	17 12	20 15	22 17	13 8	197 145	31.86
	Northumb.	22 17	19 14	11 8	8 4	20 14	16 10	16 11	21 20	19 18	22 17	25 17	16 12	215 162	36.00
	Cumberland .1	13 11	16 14	14 8	8 6	15 14	20 18	27 18	26 23	27 25	26 23	28 24	23 19	243 203	50.96
	Geltsdale.....	17 12	17 17	18 11	7 5	15 13	21 18	24 15	24 20	28 26	26 22	24 24	26 21	247 204	80.80
	Keswick (High Hill)	16 12	20 15	18 13	12 7	16 13	20 17	22 17	24 22	28 27	27 26	25 23	27 24	255 216	107.20
	Ambleside.....	11 11	19 17	21 18	4 4	15 13	15 13	17 17	19 16	23 21	27 19	25 22	21 18	217 189	54.11
	Cardiff (Penylan).....	13 9	22 21	21 16	7 5	14 11	20 16	21 18	22 16	27 21	30 23	27 20	28 18	252 194	76.24
	Llanddeusant (Pontcrynfe) ...	16 11	23 19	20 17	5 5	14 10	17 11	23 15	19 13	22 16	25 19	22 18	25 15	231 169	51.91
	Tenby (The Priory).....	22 11	24 21	20 15	7 6	17 12	20 15	24 18	26 17	28 24	31 25	28 20	27 21	274 205	72.62
England and Wales	Birmingham W.W. (Tyrm'dd).	18 14	23 18	22 16	6 6	19 15	20 15	23 19	23 17	29 26	27 25	27 20	27 24	264 215	81.83
	Lake Vyrnwy (Exper. Station)	18 12	22 17	15 14	10 7	14 11	20 18	24 20	22 17	28 25	28 24	27 23	23 23	251 211	61.00
	Aberdovey (Plas Penhelig)....	17 12	21 19	16 11	7 4	13 10	20 14	20 18	20 16	24 20	25 19	23 21	22 19	228 183	49.31
	Llanerchymedd (Llwydiarth Esgob).....	14 10	19 14	16 12	6 4	15 11	16 12	18 13	19 15	21 16	21 15	22 18	18 12	205 152	..
ISLE OF MAN	Mean of 48 Stations	18 ..	15 ..	16 ..	14 ..	14 ..	13 ..	14 ..	16 ..	13 ..	18 ..	18 ..	19 ..	188 ..	..
	Average (1881-1915).....	17 12	21 16	15 11	8 4	12 7	20 11	15 13	21 16	25 20	26 22	24 18	23 15	227 165	56.84
	Douglas (Borough Cemetery)	20 15	20 18	17 15	11 6	13 9	19 15	19 14	19 14	27 23	24 18	24 21	29 25	242 193	57.25
	Castle Kennedy (Lochinch)....	16 13	14 14	18 10	9 5	15 13	16 15	20 14	21 17	27 24	26 21	25 24	26 25	233 195	64.24
SCOTLAND	Lochrutton (Dumfries W.W.)..	21 12	21 17	18 13	11 7	20 13	21 16	26 14	25 17	26 20	26 21	26 22	26 23	267 195	51.91
	Stobo Castle.....	19 12	20 16	16 10	8 6	19 14	18 13	19 12	23 18	21 17	22 17	23 14	19 12	227 161	36.81
	Marchmont House	18 14	17 14	19 16	11 9	13 10	18 16	26 16	21 19	26 24	28 25	24 20	26 25	247 208	66.87
	Strathaven (Kype Reservoir) ..	20 16	20 17	16 14	13 11	12 11	20 16	20 16	21 15	27 26	25 22	26 24	28 26	248 214	74.51
	Greenock (Prospect Hill).....	15 12	17 13	13 10	11 8	13 10	18 14	19 13	17 16	25 23	24 22	22 19	26 21	220 181	48.03
	Falkirk (Arnotdale).....	21 17	19 16	16 14	13 11	15 12	17 17	22 19	23 18	30 27	28 28	27 26	29 27	260 232	102.84
	Inveraray Castle Gardens	23 21	19 18	16 15	11 7	16 16	19 18	22 17	20 16	27 26	27 24	24 22	27 25	251 225	67.06
	Islay (Eallabus)	20 20	23 21	17 15	12 9	20 18	18 16	23 18	24 22	27 25	29 26	29 24	29 27	271 241	100.49
	Mull (Gruline).....	17 12	21 16	15 11	8 4	12 7	20 11	15 13	21 16	25 20	26 22	24 18	23 15	227 165	56.84
	Castle Kennedy (Lochinch)....	20 15	20 18	17 15	11 6	13 9	19 15	19 14	19 14	27 23	24 18	24 21	29 25	242 193	57.25
	Lochrutton (Dumfries W.W.)..	16 13	14 14	18 10	9 5	15 13	16 15	20 14	21 17	27 24	26 21	25 24	26 25	233 195	64.24
	Stobo Castle.....	21 12	21 17	18 13	11 7	20 13	21 16	26 14	25 17	26 20	26 21	26 22	26 23	267 195	51.91
	Marchmont House	19 12	20 16	16 10	8 6	19 14	18 13	19 12	23 18	21 17	22 17	23 14	19 12	227 161	36.81
	Strathaven (Kype Reservoir) ..	18 14	17 14	19 16	11 9	13 10	18 16	26 16	21 19	26 24	28 25	24 20	26 25	247 208	66.87
England and Wales	Greenock (Prospect Hill).....	20 16	20 17	16 14	13 11	12 11	20 16	20 16	21 15	27 26	25 22	26 24	28 26	248 214	74.51
	Falkirk (Arnotdale).....	15 12	17 13	13 10	11 8	13 10	18 14	19 13	17 16	25 23	24 22	22 19	26 21	220 181	48.03
	Inveraray Castle Gardens	21 17	19 16	16 14	13 11	15 12	17 17	22 19	23 18	30 27	28 28	27 26	29 27	260 232	102.84
	Islay (Eallabus)	23 21	19 18	16 15	11 7	16 16	19 18	22 17	20 16	27 26	27 24	24 22	27 25	251 225	67.06

Table 2B. Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1954 (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.	RAIN-DAYS AND WET-DAYS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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3 Absolute Droughts, Partial Droughts and Dry Spells in 1954

The following definitions are used in *British Rainfall* in order to obtain a homogeneous series of statistics:

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited $\cdot 01$ inch of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed $\cdot 01$ inch.

A **dry spell** is a period of at least 15 consecutive days, to none of which is credited $\cdot 04$ inch of rain or more.

More concise definitions of two of these terms would be:— An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3c of the absolute droughts, partial droughts and dry spells which occurred at the 82 selected stations of Table 2b. The monthly totals at these stations are included in Table 8c.

Of the selected stations, only 11 did not record a drought or a dry spell during the year—all of these being in Scotland—and their names are omitted from Table 3c.

In Tables 3A and 3B, the total numbers of droughts and dry spells recorded at the 82 stations in 1954 are compared with those in

the 14 preceding years. The tables show that 1954 gave the least number of dry spells apart only from 1951, 1944 and 1940.

Absolute droughts were recorded at 27 stations in England, 6 in Wales, 4 in Scotland and 2 in Northern Ireland, making 39 in all out of the 82 selected stations. All these stations recorded a drought within the period April 4 to 30, while 5 stations in the south-west of England and Wales also recorded an absolute drought between May 6 and 22. No absolute droughts were therefore recorded at the selected stations outside the period April 4 to May 22. The longest drought of the year lasted 27 days, from April 4 to 30, at Southampton and South Farnborough, longer than any recorded in 7 out of the previous 11 years.

The only partial droughts were those recorded at 27 stations in England within the period from March 30 to April 30. No station recorded more than one partial drought; the longest was recorded at Hull, Felixkirk and Scarborough, but lasted only 32 days. This is the smallest duration for a partial drought at the selected stations in any year since 1890, when the longest was 31 days.

No dry spells were recorded during the year at stations in the extreme north-west of Scotland and to the east of the Pennines. Most of the dry spells occurred within the period April 1 to May 1 and all but 20 within the period April 1 to May 22. These 20 dry spells were confined to stations in England:— between January 21 and February 5 at 5 stations including London, Cambridge and Geltsdale; between June 13 and July 7 in

Cambridge, Huntingdon and the Isle of Wight; between August 18 and September 4 at 3 stations in the south-west of England and between December 14 and 31 at 9 stations to the south of a line from London to Ross-on-

Wye. Six stations recorded as many as 3 dry spells:—St. Pancras, Cambridge, St. Catherine's Point, Teignmouth, Bude and Taunton. The longest lasted 29 days during April at Teignmouth and Ross-on-Wye.

Table 3A. Droughts at 82 Stations, 1940–1954

Year	ABSOLUTE DROUGHTS*				PARTIAL DROUGHTS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1940	40	20	31	53	51	45	71	43
1941	82	21	31	25	113	41	47	22
1942	96	20	30	26	100	33	48	12
1943	61	21	41	47	50	48	79	34
1944	25	17	21	62	42	41	66	52
1945	33	19	24	55	58	33	44	41
1946	57	17	25	36	50	34	59	42
1947	114	25	44	3	128	43	103	3
1948	29	17	23	57	44	38	54	44
1949	75	20	37	27	89	38	65	20
1950	41	16	21	49	15	36	42	68
1951	27	16	23	56	16	33	40	66
1952	32	17	23	61	11	37	47	72
1953	71	24	36	20	88	40	56	17
1954	44	20	27	43	27	30	32	55

* 15 days without a rain-day.

† 29 days averaging not more than .01 inch.

Table 3B. Dry Spells‡ at 82 Stations, 1940–1954

Year			Number at 82 Stations	Mean Duration	Longest Spell	Number of Stations with			
						None	1 or 2	3 or 4	5 or more
				Days	Days				
1940	..	..	83	23	48	39	36	6	1
1941	..	..	196	21	37	1	45	33	3
1942	..	..	206	22	36	9	32	35	6
1943	..	..	129	22	47	28	27	27	0
1944	..	..	96	19	37	41	27	9	5
1945	..	..	125	20	35	14	52	16	0
1946	..	..	132	18	29	10	60	12	0
1947	..	..	179	25	53	1	51	30	0
1948	..	..	107	19	32	18	55	9	0
1949	..	..	162	22	55	12	42	26	2
1950	..	..	106	17	27	24	47	9	2
1951	..	..	94	18	32	12	66	4	0
1952	..	..	119	18	23	24	44	13	1
1953	..	..	163	23	43	7	45	28	2
1954	..	..	97	21	29	15	61	6	0

‡ 15 days without a wet-day.

Table 3c. Droughts and Dry Spells in 1954

County and River Division	Station	Absolute Droughts			Partial Droughts			Dry Spells		
		Began	Ended	Lasted days	Began	Ended	Lasted days	Began	Ended	Lasted days
ENGLAND AND WALES										
London 2	St. Pancras (Camden Square) ..	Apr. 6	Apr. 30	25	Apr. 1	Apr. 30	30	Jan. 22	Feb. 5	15
Kent 1	Dover (Waterloo Crescent) ...	Apr. 7	Apr. 30	24	Apr. 1	Apr. 30	30	Apr. 4	Apr. 30	27
" 4	Edenbridge (Falconhurst)	..	..	..	..	..	..	Dec. 14	Dec. 31	18
Sussex 3	Worthing (Beach House Park) .	..	..	..	Apr. 2	Apr. 30	29	Apr. 5	Apr. 30	26
Hampshire.....1	St. Catherine's Pt. Lighthouse .	Apr. 6	Apr. 30	25	Apr. 1	Apr. 30	30	May 4	May 19	16
" 4	Southampton (East Park)	Apr. 4	Apr. 30	27	Apr. 1	Apr. 30	30	Dec. 17	Dec. 31	15
" 8	South Farnborough (R.A.E.) ..	Apr. 4	Apr. 30	27	Apr. 1	Apr. 30	30	Apr. 4	Apr. 30	27
Hertford 2	Harpenden (Rothamsted)	Apr. 13	Apr. 30	18	Apr. 1	Apr. 30	30	Jun. 17	Jul. 7	21
Oxford 3	Oxford (Radcliffe Met. Stn.)...	Apr. 4	Apr. 22	19	Apr. 1	Apr. 30	30	Dec. 15	Dec. 31	17
Northampton..4	Wellingborough (Swanspool) ..	Apr. 13	Apr. 28	16	Apr. 1	Apr. 30	30	Apr. 4	Apr. 30	27
Huntingdon...1	Whittlesea Mere	..	..	..	..	..	..	Dec. 14	Dec. 31	18
Cambridge.....2	Cambridge (Botanic Gardens) .	Apr. 13	Apr. 29	17	Apr. 1	Apr. 30	30	Jan. 22	Feb. 5	15
Essex 2	Southend (Waterworks)	Apr. 7	Apr. 29	23	Apr. 1	Apr. 30	30	Apr. 3	Apr. 30	28
" 5	Halstead (The Brewery)	Apr. 7	Apr. 29	23	Apr. 1	Apr. 30	30	Apr. 6	Apr. 30	25
Suffolk 4	Lowestoft (Secondary School) .	Apr. 15	Apr. 30	16	Apr. 2	Apr. 30	29	Apr. 4	Apr. 30	27
Norfolk 3	Sandringham House Gardens ..	..	..	..	Apr. 2	Apr. 30	29	Apr. 6	Apr. 30	25
Devon, S. 5	Teignmouth (Den Gardens)	Apr. 5	Apr. 29	25	Apr. 1	Apr. 30	30	Apr. 4	Apr. 30	27
		May 6	May 22	17	..	..	..	May 6	May 22	17
		..	..	..	..	..	..	Dec. 16	Dec. 31	16

in. .01
days 15
in. .05
days 27
in. .03
days 18
in. .03
days 26
in. .07
days 16
in. .03
days 15
in. .10
days 27
in. .02
days 15
in. .03
days 27
in. .16
days 21
in. .07
days 17
in. .00
days 27
in. .11
days 18
in. .00
days 27
in. .03
days 18
in. .01
days 15
in. .06
days 25
in. .02
days 27
in. .04
days 24
in. .03
days 17
in. .02
days 16
in. .00
days 17
in. .09
days 17
in. .01
days 24
in. .07
days 27
in. .05
days 25
in. .10
days 27
in. .02
days 15
in. .03
days 29
in. .00
days 17

Table 3c. Droughts and Dry Spells in 1954 (continued)

County and River Division	Station	Absolute Droughts				Partial Droughts				Dry Spells			
		Began	Ended	Lasted		Began	Ended	Lasted	Rain in.	Began	Ended	Lasted	Rain in.
ENGLAND AND WALES (continued)													
Devon, N. 1	Ilfracombe (Bowling Green) ...	Apr. 5	Apr. 30	days 26		..	..	days ..	..	Apr. 4	Apr. 30	days 27	in. .01
		May 6	May 22	17		..	..	..	..	May 6	May 22	17	.00
Cornwall 1	Bude (School House)	Apr. 8	Apr. 30	23		..	..	..	..	Apr. 6	Apr. 30	25	.02
		May 6	May 22	17		..	..	..	..	May 5	May 22	18	.02
" 2	St. Austell (Poltair Public Gdns.)	.. 6	.. 29	24		..	..	..	..	Aug. 21	Sep. 4	15	.04
" 4	Scilly (Tresco Abbey)	Apr. 6	Apr. 29	24		..	..	..	..	Apr. 6	Apr. 29	24	.00
Somerset 1	Bath (Henrietta Park)	.. 6	.. 30	25		.. 2	.. 30	.. 29	.. 23	Aug. 18	Sep. 2	16	.08
" 3	Taunton (Vivary Park)	Apr. 6	Apr. 30	25		Apr. 1	Apr. 30	30	.14	Apr. 6	Apr. 30	25	.03
		..	..	..		..	..	..	..	Aug. 21	Sep. 4	15	.02
		..	..	..		..	..	..	..	Dec. 14	Dec. 31	18	.12
Hereford 1	Ross-on-Wye	..	..	..		Apr. 1	Apr. 30	30	.19	Apr. 2	Apr. 30	29	.05
		..	..	..		.. 2	.. 30	29	.26	Dec. 14	Dec. 31	18	.04
Shropshire 3	Shrewsbury (Monkmore)	Apr. 12	Apr. 29	18		Apr. 2	Apr. 30	29	..	Apr. 5	Apr. 29	25	.05
Warwick 1	Leamington Spa (Pump Rm. Gardens)	..	..	..		..	..	..	..	Jan. 22	Feb. 5	15	.04
Leicester 4	Loughborough (Nanpantan Res.)	..	..	..		Apr. 1	Apr. 29	29	.23	Apr. 4	Apr. 29	26	.04
Lincoln 3	Horncastle	Apr. 7	Apr. 29	23		Apr. 2	Apr. 30	29	.25	Apr. 6	Apr. 29	24	.03
		..	..	..		.. 1	Apr. 29	29	.25	May 6	May 20	15	.02
Nottingham 5	Mansfield (Carr Bank)	..	..	..		..	..	..	..	..	..	25	.05
Cheshire 2	Northwich (Hunts Lock)	..	..	24		..	..	..	..	Apr. 5	Apr. 29	25	.02
" 3	Birkenhead (Bidston Obsy.)	Apr. 5	Apr. 28	17		..	..	..	..	Apr. 5	Apr. 29	25	.02
Lancashire, C. 1	Squires Gate (Blackpool Airport)	Apr. 12	Apr. 28	17		Apr. 1	Apr. 30	30	.28	Apr. 4	Apr. 29	26	.02
Yorks, W.R. 8	Wakefield (Clarence Park)	.. 6	.. 29	24		Mar. 30	Apr. 30	32	.22	..	..	27	.03
Yorks, E.R. 3	Hull (Pearson Park)	..	..	..		Mar. 30	Apr. 30	32	.28	..	..	26	.05
Yorks, N.R. 2	Felixkirk (Mount St. John)	..	..	..		Mar. 30	Apr. 30	32	.21	Apr. 4	Apr. 29	26	.05
" 5	Scarborough	..	..	..		Mar. 31	Apr. 29	30	.24	..	..	26	.08
Durham 2	Durham (Houghall Hort. Stn.)	..	..	..		..	..	..	..	Apr. 3	Apr. 28	26	.08
Northumberland6	Iliderton (Lilburn Tower Gdns.)	..	..	..		..	..	..	..	..	..	26	.08

Table 3c. Droughts and Dry Spells in 1954 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts			Dry Spells		
		Began	Ended	Lasted days	Began	Ended	Lasted days	Began	Ended	Lasted days
ENGLAND AND WALES (<i>continued</i>)	Cumberland ...1	Apr. 13	Apr. 28	16	..	..	..	Jan. 21	Feb. 5	16
	" ..2	Apr. 13	Apr. 28	16	..	..	..	Apr. 13	Apr. 30	18
	Westmorland ...2	Apr. 15	Apr. 29	15	..	..	..	Apr. 13	May 1	19
	Glamorgan ...7	Apr. 6	Apr. 30	25	..	..	..	Apr. 14	Apr. 29	16
	Carmarthen ...2	Apr. 7	Apr. 29	23	..	..	..	Apr. 6	Apr. 30	25
		May 6	May 20	15	..	..	..	Apr. 6	Apr. 29	24
	Pembroke 4	Apr. 6	Apr. 29	24	..	..	..	May 5	May 22	18
		May 6	May 20	15	..	..	..	Apr. 6	Apr. 29	24
	Radnor 1	Apr. 6	Apr. 28	23	..	..	..	May 6	May 20	15
		Apr. 6	Apr. 29	24	..	..	..	Apr. 6	Apr. 29	24
ISLE OF MAN	Montgomery 5	Apr. 6	Apr. 29	24	..	..	..	May 6	May 21	15
	Merioneth 5	..	..	..	..	..	..	Apr. 6	Apr. 29	24
		Apr. 9	Apr. 29	21	..	..	..	Apr. 7	Apr. 29	23
	Anglesey	Apr. 9	Apr. 29	21	..	..	..	May 7	May 22	16
		..	..	..	..	..	..	Apr. 4	Apr. 29	26
SCOTLAND	Wigtown 1	..	..	..	..	..	..	Apr. 15	Apr. 30	16
		..	..	..	..	..	..	May 6	May 22	17
	Castle Kennedy (Lochinch) ...	..	..	..	..	..	..	Apr. 12	Apr. 29	18
	Lochrutton (Dumfries W.W.) ..	Apr. 14	Apr. 29	16	..	..	..	May 6	May 21	16
	Stobo Castle	..	..	..	..	..	..	Apr. 9	Apr. 30	22
	Marchmont House	..	..	..	..	..	..	Apr. 14	Apr. 28	15
	Strathaven (Kype Reservoir)...	..	..	..	..	..	..	Apr. 4	Apr. 28	25
	Greenock W.W. (Prospect Hill)	..	..	..	..	..	..	Apr. 15	Apr. 29	15
	Falkirk (Arnotdale)	..	..	..	..	..	..	Apr. 14	Apr. 28	15
		..	..	..	..	..	..	Apr. 14	Apr. 28	15

Table 3c. Droughts and Dry Spells in 1954 (concluded)

County and River Division	Station	Absolute Droughts			Partial Droughts			Dry Spells		
		Began	Ended	Lasted	Began	Ended	Lasted	Began	Ended	Lasted
				days			days			in.
SCOTLAND (continued)	Argyll 11	..	..	..	..	..	..	Apr. 15	Apr. 29	15
	" 14	..	..	..	..	..	..	Apr. 12	Apr. 28	17
	" 14	Apr. 15	Apr. 29	15	..	..	..	Apr. 15	Apr. 29	15
	" 14	Apr. 15	Apr. 29	15	..	..	..	Apr. 13	Apr. 29	17
	Perth 11	..	..	..	..	..	..	Apr. 3	Apr. 28	26
	Aberdeen 2	..	..	..	..	..	..	Apr. 12	Apr. 28	17
	" 4	..	..	..	..	..	..	Apr. 13	Apr. 28	16
	Banff 3	..	..	..	..	..	..	Apr. 14	Apr. 28	15
	Nairn 2	Apr. 14	Apr. 28	15	..	..	..	Apr. 14	Apr. 28	15
NORTHERN IRELAND	Newtownbutler (Crom Castle) .	Apr. 15	Apr. 29	15	..	..	..	Apr. 11	Apr. 30	20
	Belleek 1	..	..	..	..	..	..	Apr. 13	Apr. 30	18
	Armagh 5	..	..	..	..	..	..	Apr. 5	Apr. 30	26
	Down 4	Apr. 11	Apr. 29	19	..	..	..	Apr. 11	Apr. 30	20
	Antrim 5	..	..	..	..	..	..	Apr. 5	Apr. 30	26
	Tyrone 3	..	..	..	..	..	..	Apr. 13	Apr. 30	18

4 Rain Spells and Wet Spells in 1954

The definitions of the terms "rain spell" and "wet spell" as used in this section are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A rain spell is a period of at least 15 consecutive days to each of which is credited .01 inch of rain or more.

A wet spell is a period of at least 15 consecutive days to each of which is credited .04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet-days.

Table 4c contains particulars of all rain spells and wet spells during 1954 which were reported from the 82 selected stations of Table 2b. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 33, of which 27 are in England, 5 in Scotland and one in Northern Ireland.

The dates of commencement of rain spells and wet spells which began in December 1953 are given in the form "27. xii. 53" to distinguish them from spells occurring in December 1954. Some of these rain spells and wet spells were by the end of 1953 of sufficient duration to qualify for inclusion in Table 4c for that year, and the complete details of such spells are now given in italics. Thus Loch Shin gave a rain spell which had already been counted in the 1953 volume. As this rain spell had already been included for 1953 in Table 4A it is not again counted in 1954, although that part of the duration and

amount of rain in this spell which relates to 1954 is included in arriving at the mean duration and the mean rain per day.*

In 1954 the total number of rain spells at the selected stations was 151 and of these 42 ranked as or included wet spells.

The number of rain spells recorded in 1954 was greater than in any year since 1938.

The longest rain spell, 116 days with 40.42 inches, was reported from Loch Shin in Sutherland. This ranks as the longest rain spell at the selected stations in the analysis which goes back to 1903; the previous longest rain spell occurred in 1923 at Islay (Eallabus) and lasted for 89 days.

Most of the 151 rain spells occurred at stations in Scotland, Northern Ireland, the English Lake District, Wales and the south-west of England. As many as 107 occurred within the period from August 26 to December 31 and all the selected stations were free from rain spells between April 8 and June 12. At Newtownbutler, in Fermanagh, there were eight rain spells.

Of the 42 wet spells during 1954, 39 occurred between September 5 and December 29, and were confined to the western half of Scotland, the English Lake District, north and south Wales and Fermanagh. The longest wet spell occurred at Inverbroom in the north-west of Scotland, lasting 37 days from November 22 to December 28, with 14.14 inches. The shorter spells of 15 days commencing on November 21 at Keswick and Ambleside recorded nearly as much rain, the mean amount per day exceeding .8 inch.

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall 1926*.

Table 4A. Rain Spells* at 82 Stations, 1940-1954

Year	No. of rain spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1940	67	19	in. .27	47	in. .44	45	29	8	0
1941	43	19	.25	34	.26	54	26	2	0
1942	94	20	.27	47	.15	32	36	12	2
1943	98	22	.27	42	.28	42	26	9	5
1944	95	21	.26	67	.19	35	35	10	2
1945	86	19	.26	40	.24	35	37	9	1
1946	134	21	.28	42	.18	22	42	15	3
1947	82	20	.26	34	.20	26	48	8	0
1948	107	21	.30	54	.37	37	29	10	6
1949	109	22	.30	41	.44	48	14	14	6
1950	139	21	.30	50	.35	35	23	12	12
1951	112	19	.28	49	.47	23	44	13	2
1952	115	20	.24	40	.34	36	27	14	5
1953	65	20	.29	31	.18	50	24	6	2
1954	151	21	.30	116	.35	33	23	13	13

* At least .01 inch each day for 15 days or more.

Table 4B. Wet Spells† at 82 Stations, 1940-1954

Year	No. of wet spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1940	4	20	in. .34	24	in. .44	79	3	0	0
1941	4	16	.36	18	.34	78	4	0	0
1942	22	17	.36	24	.54	63	19	0	0
1943	15	21	.37	26	.63	71	10	1	0
1944	21	18	.63	25	.49	66	16	0	0
1945	22	16	.35	20	.41	65	17	0	0
1946	42	19	.38	37	.40	57	22	3	0
1947	21	17	.35	25	.25	64	18	0	0
1948	28	19	.38	31	.28	63	17	2	0
1949	32	20	.40	34	.54	68	10	2	2
1950	38	19	.41	38	.64	61	15	6	0
1951	23	18	.42	32	.39	66	15	1	0
1952	24	18	.38	26	.31	66	14	1	1
1953	16	19	.44	29	.56	67	15	0	0
1954	42	18	.41	37	.38	59	20	2	1

† At least .04 inch each day for 15 days or more.

Table 4c. Rain Spells and Wet Spells in 1954

County and River Division	Station	Rain Spells*				Wet Spells†			Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date
ENGLAND AND WALES										
Hampshire ...1	St. Catherine's Point Lighthouse	Sep. 3	Sep. 19	17	in. 1.76	..	..	..	..	Sep. 3
"	Southampton (East Park)	Feb. 17	Mar. 3	15	2.88	..	..	..	..	Feb. 18
N. Devon ...1	Ilfracombe (Bowling Green)	Feb. 17	Mar. 4	16	3.22	..	..	..	..	Feb. 17
"		Nov. 21	Dec. 16	26	9.39	..	..	..	..	Nov. 22
Cornwall 1	Bude (School House)	Nov. 21	Dec. 16	26	6.95	..	..	..	..	Nov. 27
"	St. Austell (Poltair Public Gdns.)	Sep. 5	Sep. 20	16	2.69	..	..	..	..	Sep. 5
"		Oct. 15	Nov. 1	18	3.13	..	..	..	..	Oct. 26
"		Nov. 20	Dec. 16	27	10.85	..	..	..	..	Nov. 25
"	Scilly (Tresco Abbey)	Feb. 16	Mar. 6	19	3.60	..	..	..	..	Feb. 18
Somerset 3	Taunton (Vivary Park)	Oct. 15	Nov. 2	19	1.64	..	..	..	..	Oct. 23
Cheshire 2	Northwich (Hunts Lock)	Nov. 29	Dec. 16	18	3.71	..	..	..	..	Dec. 2
"	Birkenhead (Bidston Observatory)	Nov. 22	Dec. 6	15	2.59	..	..	..	..	Nov. 23
Lancashire ...1	Squires Gate (Blackpool Airport)	Nov. 21	Dec. 14	24	5.81	..	..	..	..	Nov. 23
Northumb. ...6	Ilderton (Lilburn Tower Gardens)	Nov. 19	Dec. 3	15	2.89	..	..	..	..	Nov. 23
Cumberland .1	Geltsdale	Aug. 7	Aug. 24	18	4.18	..	..	..	..	Nov. 17
"		Sep. 5	Sep. 21	17	4.26	Sep. 6	Sep. 21	16	4.24	Sep. 15
"	Keswick (High Hill)	Oct. 26	Nov. 13	19	4.41	Nov. 21	Dec. 5	15	3.75	Oct. 28
"		Nov. 17	Dec. 5	19	3.95	..	..	..	..	Nov. 23
"		Jun. 20	Jul. 7	18	3.43	Sep. 5	Sep. 21	17	7.44	Jul. 3
"		Sep. 5	Sep. 21	17	7.44	..	..	..	..	Sep. 15
"		Nov. 21	Dec. 5	15	12.36	Nov. 21	Dec. 5	15	12.36	Nov. 27
Westmorland .2		Sep. 5	Sep. 21	17	10.00	..	..	..	..	Dec. 1
"	Ambleside	Oct. 9	Oct. 24	16	10.97	Oct. 9	Oct. 24	16	10.97	Sep. 15
"		Nov. 21	Dec. 5	15	13.38	Nov. 21	Dec. 5	15	13.38	Oct. 17
"		Dec. 7	Dec. 28	22	6.86	..	..	..	..	Dec. 1
Glamorgan ...7	Cardiff (Penylan)	Nov. 18	Dec. 9	22	7.52	Nov. 21	Dec. 9	19	7.39	Dec. 18
Carmarthen .2	Llanddeusant (Pontcrynfe)	Feb. 15	Mar. 7	21	5.28	..	..	..	..	Nov. 23
"		Sep. 1	Sep. 16	16	3.59	..	..	..	..	Mar. 6
"		Oct. 7	Nov. 6	31	11.16	..	..	..	..	Sep. 10
"		Nov. 21	Dec. 28	38	14.07	..	..	..	..	Oct. 23
"		Feb. 16	Mar. 6	19	5.03	..	..	..	..	Nov. 27
Pembroke ...4	Tenby (The Priory)	Nov. 21	Dec. 9	19	8.02	..	..	..	..	Mar. 6
"		..	..	..	..	..	..	..	..	Dec. 6

* At least 15 days, each credited with .01 inch or more.

† At least 15 days, each credited with .04 inch or more.

Table 4C. Rain Spells and Wet Spells in 1954 (continued)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND AND WALES (continued) Radnor 1	Birmingham W.W. (Tyrmynydd)	Aug. 1	Aug. 15	15 days	3.85 in.	..	..	.. days	.. in.	Aug. 1	1.82 in.
		Sep. 2	Sep. 21	20	4.21	..	..	..	..	Sep. 10	1.03
		Sep. 23	Nov. 2	41	11.21	..	..	..	..	Oct. 23	1.07
		Nov. 4	Nov. 18	15	4.53	..	..	..	..	Nov. 5	1.38
		Nov. 20	Dec. 9	20	10.40	..	..	..	..	Nov. 26	1.38
Montgomery .5	Lake Vyrnwy (Experimental Stn.)	Feb. 16	Mar. 7	20	4.82	..	..	..	..	Mar. 6	1.22
		Sep. 5	Oct. 5	31	9.92	..	..	..	..	Sep. 10	1.36
		Oct. 10	Oct. 24	15	8.24	..	..	..	..	Oct. 14	1.63
		Nov. 18	Dec. 9	22	10.27	Nov. 22	Dec. 9	18	9.99	Dec. 2	1.40
		Sep. 5	Oct. 1	27	4.73	..	..	..	..	Sep. 10	.74
Merioneth....5	Aberdovey (Plas Penhelig).....	Oct. 12	Oct. 31	20	7.65	..	..	..	..	Oct. 14	1.55
		Nov. 4	Dec. 4	31	9.69	..	..	..	..	Nov. 5	1.10
		Nov. 26	Dec. 14	19	4.37	Nov. 26	Dec. 11	16	3.78	Nov. 27	.60
		Oct. 12	Oct. 31	20	7.60	..	..	..	..	Oct. 28	.96
		Oct. 12	Oct. 31	20	7.60	..	..	..	..	Oct. 28	.96
ISLE OF MAN Wigtown 1	Castle Kennedy (Lochinch)	Jan. 12	Jan. 26	15	4.29	..	..	..	..	Jan. 20	1.27
		Nov. 19	Dec. 29	41	10.93	Nov. 26	Dec. 14	19	6.84	Nov. 27	.92
		Nov. 21	Dec. 5	15	8.12	Nov. 21	Dec. 5	15	8.12	Nov. 26	1.11
		Dec. 8	Dec. 22	15	2.70	Dec. 8	Dec. 22	15	2.70	Dec. 11	.43
		Sep. 6	Sep. 21	16	3.06	..	..	..	..	Sep. 9	.59
Peebles 2	Stobo Castle	Dec. 7	Dec. 22	16	2.90	..	..	..	..	Dec. 8	.80
		Oct. 9	Oct. 29	21	8.41	Oct. 9	Oct. 24	16	6.31	Oct. 15	1.38
		Nov. 17	Dec. 5	19	6.06	..	..	..	..	Nov. 27	1.09
		Dec. 8	Dec. 22	15	5.15	Dec. 8	Dec. 22	15	5.15	Dec. 14	.79
		Sep. 5	Sep. 21	17	5.28	..	..	..	..	Sep. 15	1.18
Lanark 5	Strathaven (Kype Reservoir).....	Oct. 7	Oct. 24	18	7.36	..	..	..	..	Oct. 17	1.60
		Nov. 15	Dec. 5	21	6.79	Nov. 20	Dec. 5	16	6.43	Nov. 24	.98
		Dec. 7	Dec. 22	16	4.64	..	..	..	..	Dec. 14	.98
		Nov. 17	Dec. 4	18	4.28	..	..	..	..	Nov. 24	.82
		Dec. 7	Dec. 22	16	2.66	..	..	..	..	Dec. 8	.65
Renfrew 3	Greenock W.W. (Prospect Hill)	Jan. 12	Jan. 26	15	4.29	..	..	..	..	Jan. 20	1.27
		Nov. 19	Dec. 29	41	10.93	Nov. 26	Dec. 14	19	6.84	Nov. 27	.92
		Nov. 21	Dec. 5	15	8.12	Nov. 21	Dec. 5	15	8.12	Nov. 26	1.11
		Dec. 8	Dec. 22	15	2.70	Dec. 8	Dec. 22	15	2.70	Dec. 11	.43
		Sep. 6	Sep. 21	16	3.06	..	..	..	..	Sep. 9	.59
Stirling 1	Falkirk (Arnotdale)	Dec. 7	Dec. 22	16	2.66	..	..	..	..	Dec. 8	.65
		Oct. 9	Oct. 29	21	8.41	Oct. 9	Oct. 24	16	6.31	Oct. 15	1.38
		Nov. 17	Dec. 5	19	6.06	..	..	..	..	Nov. 27	1.09
		Dec. 8	Dec. 22	15	5.15	Dec. 8	Dec. 22	15	5.15	Dec. 14	.79
		Sep. 5	Sep. 21	17	5.28	..	..	..	..	Sep. 15	1.18

* At least 15 days, each credited with .01 inch or more.

† At least 15 days, each credited with .04 inch or more.

Table 4c. Rain Spells and Wet Spells in 1954 (continued)

County and River Division	Station	Rain Spells*				Wet Spells†			Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date
SCOTLAND (continued)										
Argyll 11	Inveraray Castle Gardens	Jan. 11	Jan. 25	15	in. 8·54	..	..	days	in.	Jan. 18
		Aug. 1	Aug. 15	15	3·31	..	..	..	..	Aug. 5
		Aug. 26	Oct. 7	43	17·39	Sep. 5	Sep. 21	17	7·26	Sep. 16
		Oct. 9	Oct. 24	16	10·12	Oct. 9	Oct. 24	16	10·12	Oct. 18
		Nov. 17	Dec. 5	19	9·41	Nov. 17	Dec. 5	19	9·41	Dec. 1
		Dec. 11	Dec. 31	21	13·52	..	..	..	..	Dec. 14
.....14	Islay (Eallabus)	17.xii.53	Jan. 2	17	3·17	18.xii.53	Jan. 1	15	3·11	Dec. 26
		Sep. 7	Sep. 21	15	4·50	..	..	..	..	23.xii.53
		Oct. 12	Oct. 30	19	5·63	Oct. 15	Oct. 30	16	5·08	24.xii.53
		Dec. 9	Dec. 28	20	4·94	..	..	..	..	Sep. 19
		Jul. 26	Aug. 15	21	3·68	..	..	..	..	Oct. 18
.....14	Mull (Gruline)	Sep. 3	Sep. 20	18	9·07	..	..	..	..	Dec. 11
		Oct. 7	Oct. 30	24	9·55	Oct. 9	Oct. 24	16	6·74	Jul. 26
		Nov. 2	Dec. 5	34	16·63	..	..	..	..	Sep. 14
		Dec. 7	Dec. 30	24	9·65	Dec. 9	Dec. 28	20	9·09	Oct. 26
		Jan. 7	Jan. 25	19	5·92	..	..	..	..	Nov. 22
.....14	Tiree	Feb. 9	Feb. 27	19	3·21	..	..	..	..	Dec. 27
		Sep. 5	Sep. 21	17	4·78	..	..	..	..	Jan. 24
		Oct. 7	Oct. 24	18	3·85	..	..	..	..	Feb. 22
		Nov. 17	Dec. 7	21	7·05	Nov. 20	Dec. 7	18	6·58	Sep. 5
		Dec. 9	Dec. 29	21	4·32	..	..	..	..	Oct. 18
		Nov. 17	Dec. 4	18	9·76	..	..	..	..	Nov. 22
Perth 11	Aberfeldy (Tigh'n Eilean)	Oct. 17	Dec. 4	19	3·65	..	..	..	..	Dec. 27
Aberdeen 1	Braemar (Bank).....	Nov. 16	Dec. 5	19	7·34	..	..	..	..	Nov. 26
		Oct. 21	Nov. 4	15	1·07	..	..	..	..	Oct. 18
Nairn.....2	Nairn (Achareidh)	Mar. 19	Apr. 5	18	2·57	..	..	..	..	Nov. 22
Inverness.....2	Dalwhinnie.	Jun. 13	Jun. 27	15	1·99	..	..	..	..	Oct. 24
		Oct. 6	Oct. 24	19	4·30	..	..	..	..	Mar. 29
		Nov. 17	Dec. 5	19	10·55	Nov. 20	Dec. 4	15	10·20	Jun. 26
		Dec. 16	Dec. 30	15	5·15	..	..	..	..	Oct. 18
										Dec. 3
										Dec. 25

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table 4c. Rain Spells and Wet Spells in 1954 (continued)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lastest	Total Rain	Began	Ended	Lastest	Total Rain	Date	Rain
SCOTLAND (continued)	Inverness.....6	Jun. 16	Jun. 30	15 days	in. 1.58	Oct. 9	Oct. 24	16 days	in. 4.72	Jun. 26	in. .25
		Oct. 3	Oct. 5	22	5.56	Oct. 9	Oct. 24	16	4.72	Oct. 18	1.54
		Nov. 17	Dec. 5	19	5.09	..	..	..	..	Dec. 2	.86
		Mar. 19	Apr. 4	17	5.22	..	..	..	..	Apr. 2	.78
	" 17	Sep. 13	Oct. 1	19	8.64	Oct. 9	Oct. 24	16	9.09	Sep. 15	1.18
		Oct. 7	Oct. 24	18	9.46	Oct. 9	Oct. 24	16	9.09	Oct. 18	1.30
		Nov. 17	Dec. 5	19	9.46	Nov. 17	Dec. 5	19	9.46	Dec. 1	1.19
		Dec. 7	Dec. 30	24	12.37	..	..	..	..	Dec. 17	2.25
	Ross and Cromarty 7	Jul. 25	Aug. 8	15	3.44	..	..	..	..	Jul. 29	.85
		Sep. 6	Oct. 1	26	6.48	..	..	..	..	Sep. 16	.89
" 9	Inverbroom (Glackour)	Oct. 9	Nov. 20	43	11.10	Oct. 9	Oct. 30	22	7.82	Oct. 18	.71
		Nov. 22	Dec. 29	38	14.16	Nov. 22	Dec. 28	37	14.14	Dec. 20	1.15
		Jan. 5	Jan. 20	16	7.18	Jan. 5	Jan. 20	16	7.18	Jan. 18	1.86
		Mar. 19	Apr. 5	18	4.26	..	..	..	..	Mar. 21	.60
	Loch Duich (Ratagan)	Sep. 6	Oct. 1	26	10.53	Sep. 7	Sep. 21	15	7.34	Sep. 19	1.06
		Oct. 7	Oct. 30	24	12.18	Oct. 15	Oct. 29	15	8.99	Oct. 18	2.56
		Nov. 7	Dec. 29	53	24.77	..	..	..	..	Dec. 17	1.80
		Jan. 4	Jan. 20	17	3.13	..	..	..	..	Jan. 18	.53
	Stornoway Airfield	Feb. 19	Mar. 8	18	2.84	..	..	..	..	Mar. 6	.37
		Mar. 19	Apr. 5	18	3.45	..	..	..	..	Mar. 22	1.11
		Sep. 14	Oct. 1	18	3.43	Oct. 15	Oct. 30	16	4.76	Sep. 23	.60
		Oct. 3	Oct. 31	29	6.71	..	..	..	..	Oct. 18	.72
Sutherland ...1	Loch Shin (Corrykinloch)	Nov. 2	Nov. 20	19	3.22	..	..	..	..	Nov. 9	.72
		Nov. 24	Dec. 30	37	8.34	..	..	..	..	Nov. 27	.89
		Nov. 24	Dec. 30	37	8.34	Oct. 15	Oct. 30	16	4.76	Oct. 18	.72
		16.xii.53	Jan. 2	18	6.40	..	..	..	..	Nov. 27	.89
	" 4	Jan. 5	Jan. 22	18	6.88	Jan. 5	Jan. 20	16	6.74	Jan. 18	.86
		Feb. 1	Feb. 25	25	3.72	..	..	..	..	Feb. 21	.61
		Jun. 16	Jul. 5	20	4.64	..	..	..	..	Jul. 3	.73
		Sep. 6	Dec. 30	116	40.42	Sep. 6	Oct. 1	26	7.33	Dec. 20	2.10
	" 2	..	..	..	..	Oct. 7	Oct. 30	24	9.53	..	..
		..	..	..	..	Nov. 20	Dec. 12	23	6.58	..	..
		..	..	..	..	Dec. 14	Dec. 29	16	11.92	..	..
		Jan. 5	Jan. 20	16	2.59	..	..	..	..	Jan. 13	.38
Caithness 2	Tongue	Feb. 10	Feb. 24	15	1.83	..	..	..	..	Feb. 15	.29
		Jun. 16	Jul. 6	21	3.23	..	..	..	..	Jun. 26	.56
		Oct. 7	Nov. 5	30	7.36	Oct. 7	Oct. 27	21	6.08	Oct. 15	.86
		Nov. 21	Dec. 10	20	4.31	Dec. 14	Dec. 28	15	5.35	Dec. 8	.56
	Wick Airport	Dec. 12	Dec. 29	18	5.40	Dec. 14	Dec. 28	15	5.35	Dec. 27	.87
		Oct. 6	Oct. 31	26	4.49	..	..	..	..	Oct. 18	1.11
		..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..
	" 4	Jan. 5	Jan. 20	16	2.59	..	..	..	..	Jan. 13	.38
		Feb. 10	Feb. 24	15	1.83	..	..	..	..	Feb. 15	.29
		Jun. 16	Jul. 6	21	3.23	..	..	..	..	Jun. 26	.56
		Oct. 7	Nov. 5	30	7.36	Oct. 7	Oct. 27	21	6.08	Oct. 15	.86

* At least 15 days, each credited with .01 inch or more.

† At least 15 days, each credited with .04 inch or more.

Table 4c. Rain Spells and Wet Spells in 1954 (concluded)

County and River Division	Station	Rain Spells*			Wet Spells†			Max. in a Day during Rain Spells	
		Began	Ended	Lastest	Total Rain	Began	Ended	Lastest	Total Rain
NORTHERN IRELAND Fermanagh . . . 1	Newtownbutler (Crom Castle) . . .	Jan. 11	Jan. 27	17	in. 2.15	..	..	days	in.
		Mar. 19	Apr. 7	20	3.60	..	..	..	..
		Jun. 24	Jul. 10	17	1.27	..	..	..	..
		Jul. 12	Aug. 2	22	3.28	..	..	..	..
		Aug. 4	Aug. 19	16	2.72	..	..	..	..
		Aug. 26	Sep. 17	23	3.59	..	..	..	..
		Oct. 12	Nov. 4	24	6.06	..	..	..	..
		Nov. 7	Dec. 25	49	9.19	..	..	..	..
		17.xii.53	Jan. 2	17	2.16	..	..	..	..
		Feb. 20	Mar. 7	16	4.55	..	..	..	..
		Mar. 19	Apr. 5	18	3.94	..	..	..	..
		Jun. 14	Jul. 9	26	4.41	..	..	..	..
" . . . 1	Belleek	Jul. 12	Jul. 31	20	5.91	..	..	..	..
		Sep. 7	Sep. 21	15	3.52	Sep. 7	Sep. 21	15	3.52
		Oct. 9	Nov. 4	27	6.19	Oct. 9	Oct. 24	16	4.21
		Dec. 11	Dec. 29	19	2.65	..	..	..	..
		Nov. 29	Dec. 14	16	3.60	..	..	..	..
		8.xii.53	Jan. 1	25	1.85	..	..	..	..
		Jan. 8	Jan. 26	19	3.40	..	..	..	..
		Feb. 6	Mar. 3	26	4.60	..	..	..	..
		Sep. 7	Sep. 21	15	2.42	..	..	..	..
		Oct. 12	Oct. 30	19	6.20	..	..	..	..
		Nov. 29	Dec. 29	31	6.52	..	..	..	..
		Jan. 8	Jan. 25	17	2.83	..	..	..	..
Armagh 5 Antrim 5	Armagh (Observatory) Ballymena (Harryville)	Mar. 20	Apr. 5	17	3.70	..	..	..	..
		Sep. 7	Sep. 21	15	2.87	..	..	..	..
		Oct. 7	Oct. 24	18	7.10	..	..	..	..
		Nov. 24	Dec. 28	35	7.15	..	..	..	..
		Jan. 24	Jan. 24	1	1.83	..	..	..	..
		Feb. 12	Feb. 12	1	1.83	..	..	..	..
		Sep. 19	Sep. 19	1	1.83	..	..	..	..
		Oct. 17	Oct. 17	1	1.83	..	..	..	..
		Dec. 10	Dec. 10	1	1.83	..	..	..	..
		Jan. 24	Jan. 24	1	1.83	..	..	..	..
		Mar. 21	Mar. 21	1	1.83	..	..	..	..
		Sep. 15	Sep. 15	1	1.83	..	..	..	..
Tyrone 3	Omagh (Edenfel)	Oct. 17	Oct. 17	1	1.83	..	..	..	..
		Dec. 6	Dec. 6	1	1.83	..	..	..	..
		Jan. 24	Jan. 24	1	1.83	..	..	..	..
		Mar. 21	Mar. 21	1	1.83	..	..	..	..
		Sep. 15	Sep. 15	1	1.83	..	..	..	..
		Oct. 17	Oct. 17	1	1.83	..	..	..	..
		Dec. 6	Dec. 6	1	1.83	..	..	..	..
		Jan. 24	Jan. 24	1	1.83	..	..	..	..
		Mar. 21	Mar. 21	1	1.83	..	..	..	..
		Sep. 15	Sep. 15	1	1.83	..	..	..	..
		Oct. 17	Oct. 17	1	1.83	..	..	..	..
		Dec. 6	Dec. 6	1	1.83	..	..	..	..

* At least 15 days each credited with .01 inch or more.

† At least 15 days, each credited with .04 inch or more.

5 Duration of Rainfall in 1954

The duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the chart during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0.1 mm. per hour, i.e. .004 inch per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, for very light rainfall, it was found to be almost impossible to define the exact point on the chart where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0.1 mm. (.004 inch) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 145 stations. Other records of duration are received but the published list gives as good a representation as possible over the country.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

Values of the average monthly and annual duration 1931–1940 at 50 stations and the corresponding mean rates of rainfall at 14 well distributed stations were given in *British Rainfall* 1948, pp. 30–31.

The duration of rainfall in 1954 was more than average in all parts of the country, the excess at Camden Square (London) being 25 hours.

The duration for the year exceeded 1,000 hours at no fewer than 23 stations and exceeded 1,450 hours at Keswick, in the English Lake District, on Snowdon, and at four stations in Scotland, viz., Eskdalemuir, Calder Water, Loch Sloy and Fort William; the largest total was at Calder Water with 1,949 hours, or 490 hours more than in 1953. Only one station in the Table recorded less than 350 hours of rain (or one hour a day), the smallest totals being 335 hours at Chelmsford, 351 hours at Kingston-upon-Thames, and about 400 hours at Camberley, Weybridge and Peterborough.

The month with the greatest totals of duration was November over most of England; October or November over Wales; October, November or December over most of Scotland, and December over Northern Ireland.

The largest individual monthly totals in the Table were recorded at stations in Scotland, north-west England and the Welsh mountains during the last three months of the year. In December Loch Sloy in Dunbartonshire had

300 hours duration for 23·00 inches of rain; Fort William 265 hours for 16·33 inches and Calder Water 263 hours for 10·65 inches. The largest monthly total in England was 205 hours in November at Keswick, and in Wales, 247 hours in October on Snowdon. Castle Archdale in County Fermanagh recorded 147 hours. The remarkable total of 300 hours at Loch Sloy is the largest there for any month since observations began in 1948, and the largest amount on record for any station since April 1920 with 328 hours at Cray Reservoir, Brecknockshire.

The month with the shortest total duration of rainfall was, in most areas, April—which also had small amounts of rainfall generally. Other months gave the shortest duration at isolated stations, e.g., January at Dyce, February at Dalcross, May at Calder Water, Loch Sloy and Lerwick, and July at Balmoral.

The lowest monthly durations were recorded

in April, at stations in the south and west of England: Portland Bill with ·8 hour and ·10 inch, and Exeter with 1·4 hours and ·03 inch. Peterborough, Ross-on-Wye and Thirsk recorded 3 hours.

Table 5B sets out the mean monthly and annual values of rate of rainfall at 15 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration given in Table 5A. The mean rates for the year at the 15 stations vary from ·060 inch per hour at Pembroke Dock and St. Eval to ·044 inch per hour at Aldergrove Airfield. For individual months there are even wider variations from station to station, illustrated in Table 5B by the range from ·091 inch per hour at Thirsk in May (3·66 inches with a duration of 40·4 hours) to ·017 inch per hour at Aldergrove in April.

Table 5A. Duration of Rainfall at 145 Stations during 1954 (Monthly and Annual values)

County and River Division	Station	Type of Recorder	H't above Sea	DURATION OF RAINFALL												Year
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
London 2	Kensington Palace	Nat. Siphon	ft. 80	hr. 31	hr. 52	hr. 45	hr. 8	hr. 28	hr. 46	hr. 39	hr. 35	hr. 24	hr. 33	hr. 63	hr. 17	hr. 421
" 2	St. Pancras (Camden Square) . .	Tilt. Siphon	110	38	60	52	9	38	49	50	40	32	40	69	27	504
Surrey 2	Lingfield (Sewage Works)	Tilt. Siphon	155	40	60	61	7	31	50	38	33	30	27	70	22	469
" 4	Caterham (Alderstead Heath) . .	Tilt. Siphon	577	47	73	52	8	37	55	45	38	31	34	71	27	518
" 4	Croydon Airport	Tilt. Siphon	202	32	58	56	8	44	55	41	38	36	45	90	29	532
" 4	Beddington Park	Tilt. Siphon	108	33	61	47	7	42	43	36	28	23	23	71	20	434
" 5	Dorking (Pixham Lane S.W.) . .	Nat. Siphon	138	41	69	48	6	32	50	39	25	24	29	65	24	452
" 5	Leatherhead (Elmer Works) . . .	Tilt. Siphon	170	29	70	53	10	44	58	43	35	34	41	71	26	514
" 5	Weybridge (Weyland S.W.) . . .	Tilt. Siphon	50	29	57	41	5	37	47	34	34	23	28	54	22	411
" 5	Kingston (Canbury Gardens) . .	Nat. Siphon	23	33	47	38	5	24	42	32	24	21	19	48	18	351
" 5	Kew Observatory	Tilt. Siphon	18	26	51	47	7	32	53	35	33	29	33	64	29	439
" 6	Shottersmill (Sewage Works) . .	Tilt. Siphon	383	43	58	47	5	33	50	42	33	44	44	87	37	523
" 8	Camberley (Sewage Works) . . .	Tilt. Siphon	198	35	57	40	5	24	44	27	32	23	25	62	18	392
Kent 1	Folkestone (The Leas)	Tilt. Siphon	128	39	80	75	8	36	37	45	36	34	33	90	40	553
" 2	West Malling Airfield	Tilt. Siphon	304	45	64	61	10	33	49	44	39	37	42	86	34	544
" 4	Strood (Waterworks)	Nat. Siphon	112	48	47	72	9	45	50	32	33	33	26	72	26	493
" 5	Beckenham (Croydon Road) . . .	Nat. Siphon	110	29	68	50	8	46	77	47	52	29	43	79	31	559
Sussex 1	Tangmere Airfield	Tilt. Siphon	54	54	78	77	7	50	67	69	49	67	56	106	58	738
" 3	Worthing (Beach House Park) .	Tilt. Siphon	25	37	62	68	10	31	40	50	32	46	39	76	36	527
" 5	Polegate (Winfield Farm)	Nat. Siphon	35	30	64	65	10	27	39	55	33	48	44	79	41	535
" 5	Herstmonceux	Tilt. Siphon	122	42	59	64	9	28	43	54	30	46	40	76	39	530
" 8	Crawley (Broadfield)	Tilt. Siphon	300	51	82	71	10	42	56	58	43	64	67	108	59	711
Hampshire . .8	South Farnborough (R.A.E.) . .	Tilt. Siphon	228	53	76	62	7	58	58	38	26	56	33	88	35	590
Berkshire . . .3	Maidenhead (Sewage Works) . .	Hytograph	83	25	52	51	7	39	51	37	38	33	36	73	30	472
" 4	Reading (Caversham Lock)	Tilt. Siphon	124	39	63	50	7	39	75	40	50	28	39	84	31	545
" 5	Abingdon Airfield	Tilt. Siphon	210	43	62	60	7	42	71	37	49	37	48	105	39	600
Middlesex . .1	Isleworth (Mogden Works) . . .	Tilt. Siphon	33	27	57	51	8	33	58	37	36	32	35	69	32	475
" 1	London Airport	Tilt. Siphon	84	26	58	44	7	34	55	31	31	32	35	66	29	448
" 1	Wembley (Town Hall)	Hytograph	187	27	50	41	5	29	48	33	30	29	35	63	27	417
Hertford . . .2	Garston (Building Research Stn.)	Tilt. Siphon	250	30	54	60	8	38	50	45	41	38	45	78	30	517
" 2	North Mimms (Pumping Stn.) .	Tilt. Siphon	256	20	51	46	6	32	50	50	39	35	38	69	26	462
" 2	Harpenden (Rothamsted)	Nat. Siphon	420	31	67	57	8	41	55	49	55	40	49	96	36	584
" 3	Stevenage (Brooken Green) . . .	Tilt. Siphon	307	39	78	65	9	53	57	66	62	52	59	100	43	683
Buckingham .3	Eton (Tangier Island)	Nat. Siphon	69	32	70	46	4	63	63	46	34	30	42	75	39	544
" 3	Slough (Baylis House)	Tilt. Siphon	90	25	46	42	8	35	51	33	34	30	33	65	21	423

Table 5A. Duration of Rainfall at 145 Stations during 1954 (Monthly and Annual values) (continued)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Oxford.....6	Benson Airfield.....	Tilt. Siphon	220	29	56	60	6	45	70	39	44	37	40	94	35	555
Northampton4	Peterborough (Sewage P.S.) ...	Nat. Siphon	9	20	42	34	3	34	29	25	53	26	35	68	30	399
Bedford.....3	Silsoe (Wrest Park).....	Tilt. Siphon	195	25	52	39	6	34	42	40	41	27	34	76	30	446
".....3	Cranfield Airfield.....	Tilt. Siphon	348	32	70	60	9	50	71	59	62	42	55	97	46	653
Essex.....2	Ilford (Valentines Park).....	"Float"	45	34	44	34	5	27	41	42	31	21	28	74	40	421
".....4	Chelmsford (Sandford Mill) ...	Hyetograph	69	21	43	42	8	23	35	34	28	15	19	47	20	335
Suffolk.....2	Ipswich (Belstead Hall).....	Nat. Siphon	125	27	48	49	8	32	31	42	37	17	27	59	32	409
".....5	Mildenhall Airfield.....	Tilt. Siphon	16	22	60	57	17	48	34	56	54	26	41	66	36	517
Norfolk.....1	West Raynham Airfield.....	Tilt. Siphon	240	39	48	59	14	49	44	55	73	47	59	76	32	595
".....2	Horsham St. Faith Airfield.....	Tilt. Siphon	99	40	62	63	18	28	39	51	71	38	53	76	32	571
Wiltshire.....3	Porton (C.D.E.E.).....	Tilt. Siphon	364	37	59	64	6	37	54	35	40	45	50	96	42	565
".....3	Boscombe Down Airfield.....	Tilt. Siphon	418	54	69	63	4	39	60	37	42	48	55	97	41	609
Dorset.....3	Portland Hill.....	Tilt. Siphon	36	30	57	78	1	25	32	26	21	44	30	82	34	460
".....3	Poole.....	Hyetograph	18	49	69	103	5	46	49	57	43	69	59	109	78	735
Devon, S.....2	Plymouth (Mount Batten).....	Tilt. Siphon	89	39	78	62	20	56	58	49	34	51	61	91	66	665
".....6	Exeter (Salterton Road).....	Tilt. Siphon	195	33	62	65	2	44	36	28	30	44	46	88	42	520
Devon, N.....1	Exeter Airport.....	Tilt. Siphon	106	40	70	75	1	54	47	26	23	41	44	88	50	559
Cornwall.....1	Chivenor Airfield.....	Tilt. Siphon	22	74	96	72	27	71	73	81	54	70	102	120	87	927
Somerset.....3	St. Eval Airfield.....	Tilt. Siphon	337	50	85	61	17	66	51	46	30	59	55	86	59	665
".....4	Bridgwater (Northmoor P.S.) ..	Tilt. Siphon	23	56	66	85	4	43	55	39	33	56	47	106	52	642
".....4	Minehead (Blenheim Gardens) ..	Nat. Siphon	35	53	61	74	5	30	57	35	42	53	52	119	59	640
Gloucester.....3	Cheltenham (Montpellier Gdns.)	"Float"	216	30	54	49	5	41	67	41	55	35	51	107	38	573
".....5	Bristol (Filton).....	Tilt. Siphon	192	69	71	86	20	60	79	72	55	75	69	113	39	808
".....7	Little Rissington Airfield.....	Tilt. Siphon	740	53	79	79	12	57	78	68	90	68	78	114	50	826
Hereford.....1	Ross-on-Wye.....	Hyetograph	224	45	57	48	3	37	63	27	36	23	43	104	33	519
Shropshire....4	Shawbury Airfield.....	Tilt. Siphon	235	71	62	52	7	55	58	48	71	35	71	91	54	675
Stafford.....1	Keele (University College).....	Tilt. Siphon	589	32	65	47	7	42	59	50	82	40	63	98	60	645
".....3	Cannock (Longford Road S.W.)	Hyetograph	407	45	75	68	16	57	70	76	83	55	88	112	60	805
Warwick.....4	Elmdon (Birmingham Airport) ..	Tilt. Siphon	325	28	75	64	16	50	56	61	71	34	54	102	49	660
".....4	Birmingham (Handsworth Park)	Hyetograph	424	24	49	51	11	53	70	67	60	31	99	137	64	716
Leicester.....4	Loughborough (Nanpantan Res.)	Hyetograph	269	32	57	59	9	42	54	34	68	41	51	95	46	588
Rutland.....1	Cottesmore Airfield.....	Tilt. Siphon	440	49	65	45	8	42	54	38	56	40	49	91	42	579
Lincoln.....3	Cranwell Airfield.....	Tilt. Siphon	206	35	74	45	8	42	45	32	49	33	41	80	39	523
".....3	Lincoln (West Common).....	Tilt. Siphon	22	33	76	42	4	33	61	44	75	40	58	67	33	566

Table 5A. Duration of Rainfall at 145 Stations during 1954 (Monthly and Annual values) (continued)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
				hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
DURATION OF RAINFALL																
Nottingham .5	Watnall.....	Tilt. Siphon	ft. 367	38	62	64	11	50	62	38	70	50	59	92	58	654
Cheshire 1	Prestbury (Sewage Works)	Tilt. Siphon	320	40	46	42	15	46	51	70	71	48	87	89	74	679
" 1	Appleton Reservoir.....	Tilt. Siphon	120	43	57	42	15	45	62	76	68	51	92	90	78	719
" 1	Ringway (Manchester Airport) ..	Tilt. Siphon	248	42	60	48	15	53	48	75	71	61	107	99	78	757
" 1	Sale (Carrington Lane).....	Tilt. Siphon	72	43	62	40	15	42	55	66	70	55	98	87	76	709
" 2	Congleton (Sewage Works).....	Tilt. Siphon	247	43	53	42	11	41	50	80	77	50	80	81	63	671
" 3	Birkenhead (Bidston Obs'y) ...	Nat. Siphon	198	65	70	41	19	51	58	76	74	47	101	90	61	753
Lancs, S. 2	Speke (Liverpool Airport).....	Tilt. Siphon	81	57	67	48	25	57	62	77	78	52	116	104	70	813
" 2	Liverpool (Monument Place) ..	Nat. Siphon	129	53	66	40	21	51	57	55	63	50	105	103	65	729
" 3	Bolton (Queens Park).....	Tilt. Siphon	342	64	85	73	34	63	81	126	106	85	140	103	116	1076
Lancs, C. 1	Accrington (Coppo Clough S.W.)	Tilt. Siphon	387	69	92	57	35	73	81	138	158	110	172	163	160	1308
" 1	Squires Gate Airport.....	Tilt. Siphon	34	58	89	54	32	62	53	76	83	70	137	119	96	929
" 3	Southport (Hesketh Park)	Nat. Siphon	38	45	70	53	26	54	43	58	60	51	102	102	66	730
Lancs, N. 1	Barrow-in-Furness (Sew. Works)	Nat. Siphon	24	51	83	47	19	53	35	59	54	58	107	117	79	762
Yorks, W.R. .6	Lindholme Airfield*	Tilt. Siphon	20	30	57	48	8	46	27	41	69	33	56	82	35	532
" 7	Langsett Reservoir	Nat. Siphon	820	49	48	54	11	51	32	44	69	46	89	98	82	673
" 9	Leeds (Roundhay Park).....	Tilt. Siphon	427	46	78	61	5	60	40	36	92	40	68	103	56	685
" 9	Skipton (Town Hall)	Hyetograph	367	66	86	63	27	72	60	89	127	110	132	137	133	1102
" 10	Church Fenton Airfield	Tilt. Siphon	29	37	75	54	8	54	41	43	102	49	76	95	47	681
Yorks, E.R. .3	Driffield Airfield	Tilt. Siphon	71	50	76	68	7	34	25	36	94	34	81	94	40	639
Yorks, N.R. .2	Thirsk (Topcliffe Airfield)	Tilt. Siphon	81	34	46	47	3	40	38	38	84	28	64	89	29	540
" 4	Farndale Vicarage.....	Hyetograph	495	45	79	67	10	77	50	54	158	48	96	117	47	848
" 6	Middlesbrough (South Bank) ..	Nat. Siphon	43	28	22	39	5	45	30	23	77	21	72	71	33	466
Durham.....1	Darlington (Waterworks).....	Tilt. Siphon	161	38	58	49	15	54	38	38	87	46	90	102	29	644
" 1	Middleton St. George.....	Tilt. Siphon	117	43	34	51	11	62	60	38	91	35	82	98	32	637
" 1	Forest-in-Teesdale.....	Tilt. Siphon	1250	149	82	76	17	95	63	51	157	123	181	157	145	1296
" 1	Acklington Airfield.....	Tilt. Siphon	138	65	67	35	20	68	36	53	117	55	80	76	21	693
Northumb....5	Silloth Airfield.....	Tilt. Siphon	27	73	62	54	23	65	86	81	105	90	142	141	85	1007
Cumberland .1	Keswick (High Hill)	Tilt. Siphon	254	92	108	87	28	82	129	122	122	157	185	205	156	1473
" 2	St. Bees Head Lighthouse	Tilt. Siphon	400	49	78	59	18	54	77	70	66	68	122	116	83	860
" 3	Felindre (Upper Lliw Res.)	Hyetograph	599	81	107	84	29	65	123	109	111	101	187	163	79	1239
Glamorgan .1	Swansea (Victoria Park).....	Hyetograph	26	58	88	54	24	53	70	75	53	75	133	114	81	878
" 3	Cardiff (Penylan)	Nat. Siphon	202	93	96	90	25	53	75	94	56	86	117	137	81	1003
" 7	Pembroke Dock	Tilt. Siphon	34	81	88	85	19	69	39	65	65	61	97	133	75	877
Pembroke ...4																

* Fittingly for first 3 months.

Table 5A. Duration of Rainfall at 145 Stations during 1954 (Monthly and Annual values) (continued)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apl.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
BRITISH RAINFALL 1954																
Cardigan...2	Aberporth.....	Tilt. Siphon	ft. 378	74	84	102	21	73	70	59	78	67	148	146	89	1011
Brecknock...7	Swansea W.W. (Cray Reservoir)	Tilt. Siphon	1043	75	160	99	34	81	109	97	116	116	220	173	148	1428
Montgomery...5	Lake Vyrnwy (Exper. Station) ..	Tilt. Siphon	995	91	93	76	37	57	55	87	64	76	177	123	127	1063
Flint.....1	Hawarden Airfield	Tilt. Siphon	17	65	78	47	22	58	57	66	83	42	93	124	69	804
Denbigh 1	Wrexham (Grove Park School).	Hyetograph	227	53	72	48	10	50	49	37	58	34	68	116	52	647
Caernarvon...5	Snowdon (Cwm Dyli).....	Beckley	310	136	124	109	53	82	127	137	112	126	247	176	165	1594
Anglesey ...	Holyhead (Valley Airfield).....	Tilt. Siphon	26	59	70	78	29	47	59	70	64	57	118	129	73	853
Isle of Man..	Ronaldsway Airport.....	Tilt. Siphon	55	72	70	70	11	48	38	58	43	59	98	92	78	737
Channel Is...3	St. Peter's (Jersey Airport)	Tilt. Siphon	275	50	57	56	15	34	34	50	42	55	44	59	67	563
Wigtown 3	West Freugh Airfield	Tilt. Siphon	52	82	85	79	24	57	68	67	64	71	99	101	100	897
Dumfries.....5	Eskdalemuir Observatory	Tilt. Siphon	794	120	110	97	42	106	134	112	104	120	190	161	159	1455
Berwick.....3	Swinton House	Hyetograph	200	43	52	34	15	62	46	40	102	50	65	63	47	619
Midlothian .5	Pentland Hills (Harperrig Res.)	Tilt. Siphon	907	81	65	59	42	92	70	64	103	80	111	109	120	996
".....5	Turnhouse (Edinburgh Airport)	Tilt. Siphon	116	79	49	50	39	74	81	49	68	52	75	60	81	757
Lanark.....5	Thorntonhall	Tilt. Siphon	453	89	76	63	42	50	87	61	74	77	115	116	116	966
Ayr.....3	Prestwick Airport	Tilt. Siphon	30	89	79	69	30	48	78	77	68	85	124	96	118	961
Renfrew.....2	Calder Water (Muirshiel Mill) .	Tilt. Siphon	782	200	163	122	104	95	145	137	133	155	205	227	263	1949
".....2	Renfrew (Glasgow Airport).....	Tilt. Siphon	29	98	89	59	43	58	65	55	76	88	125	112	123	991
".....3	Greenock (Prospect Hill).....	Hyetograph	199	113	117	71	55	65	87	65	86	96	131	134	156	1176
Dunbarton...3	Loch Sloy (Power Station)	Tilt. Siphon	41	157	136	119	95	89	136	122	146	158	214	251	300	1923
Argyll 1	Loch Fyne (Lepinmore).....	Tilt. Siphon	30	138	85	73	62	70	107	111	94	116	169	171	194	1390
".....14	Tiree Airport	Tilt. Siphon	31	112	99	97	33	82	93	68	70	103	121	131	127	1136
Fife 1	Dunfermline.....	Tilt. Siphon	237	52	55	37	30	65	45	40	54	45	79	64	56	622
".....2	Glenrothes (Woodside)	Tilt. Siphon	273	55	62	46	41	80	55	43	55	57	97	71	78	740
".....3	Leuchars Airfield.....	Tilt. Siphon	34	44	70	52	42	78	61	43	63	51	86	79	62	731
Aberdeen....1	Balmoral Castle Gardens	Nat. Siphon	927	41	55	45	30	95	41	27	77	47	75	104	102	739
".....1	Mannofield Reservoir.....	Tilt. Siphon	171	22	80	59	45	77	41	45	81	49	75	78	81	733
".....2	Dyce (Aberdeen Airport).....	Tilt. Siphon	187	23	77	49	32	71	56	41	71	28	74	76	64	662
".....4	Rattray Head.....	Tilt. Siphon	85	27	53	43	20	61	62	41	64	42	77	81	95	666
Moray 4	Elgin (Cemetery).....	Tilt. Siphon	93	34	21	20	20	84	56	46	40	20	71	50	71	533
".....5	Kinloss Airfield.....	Tilt. Siphon	18	29	28	31	26	81	74	48	50	28	90	50	87	622
Inverness....5	Dalcross Airfield.....	Tilt. Siphon	36	31	22	30	25	57	76	46	52	42	88	49	112	630
"...17	Fort William (Teviot)*.....	Hyetograph	35	146	81	115	77	78	109	84	106	179	228	263	265	1731
"...19	Barra (Loch an Duin)	Tilt. Siphon	120	127	121	117	36	81	80	72	76	103	118	150	132	1213
"...19	Bembecula Airport	Tilt. Siphon	18	130	130	88	33	63	96	43	64	77	82	119	108	1033

* September to November at Kinlochleven.

Table 5A. Duration of Rainfall at 145 Stations during 1954 (Monthly and Annual values) (concluded)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Ross and Cromarty .10	Stornoway Airport	Tilt. Siphon	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Caithness...2	Wick Airport	Tilt. Siphon	12	84	83	77	35	78	73	52	45	79	110	107	111	934
Orkney	Grimsetter Airport	Tilt. Siphon	121	43	65	47	24	83	84	52	54	44	93	84	96	769
Shetland	Lerwick Observatory	Tilt. Siphon	85	72	107	76	35	62	96	64	69	83	155	118	104	1041
Fermanagh...1	Castle Archdale Airfield	Tilt. Siphon	269	84	118	70	51	43	89	73	35	80	91	112	106	952
Antrim...5	Aldergrove Airfield	Tilt. Siphon	225	98	131	103	23	82	68	110	78	112	122	126	147	1200
Londonderry 5	Ballykelly Airfield	Tilt. Siphon	220	93	80	95	22	86	69	63	62	57	87	81	95	890
			10	73	84	65	19	78	53	53	52	85	81	77	123	843

Table 5B. Mean Rate of Rainfall at 15 Stations during 1954 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1954	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London	St. Pancras (Camden Square)	in.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.
Suffolk	Mildenhall Airfield	25.91	.027	.037	.042	.033	.043	.070	.060	.086	.056	.055	.046	.058	.051
Cornwall	St. Eval Airfield	26.23	.052	.033	.040	.024	.051	.054	.054	.089	.057	.049	.046	.051	.051
Gloucestershire	Bristol (Filton)	39.55	.049	.054	.053	.040	.042	.062	.082	.074	.070	.056	.072	.057	.060
Leicestershire	Loughborough (Nanpantan Res.)	37.59	.032	.048	.038	.036	.034	.051	.044	.054	.063	.051	.049	.051	.047
Yorkshire, N.R.	Thirsk (Topcliffe Airfield)	34.60	.042	.053	.038	.044	.065	.053	.072	.077	.049	.076	.058	.064	.059
Cumberland	Keswick (High Hill)	30.36	.050	.048	.036	.065	.091	.067	.067	.057	.054	.058	.046	.061	.056
Pembrokeshire	Pembroke Dock	80.80	.050	.044	.042	.042	.051	.041	.045	.049	.066	.073	.064	.054	.055
Denbighshire	Wrexham (Grove Park School)	52.52	.048	.059	.055	.042	.053	.063	.056	.055	.060	.064	.079	.058	.060
Dumfriesshire	Eskdalemuir Observatory	35.97	.043	.038	.052	.049	.057	.064	.056	.056	.072	.070	.059	.052	.056
Argyllshire	Tiree Airport	80.71	.046	.039	.046	.033	.066	.046	.047	.056	.073	.066	.067	.057	.055
Aberdeenshire	Dyce (Aberdeen Airport)	58.25	.056	.038	.048	.042	.050	.037	.044	.046	.083	.045	.068	.044	.051
Ross and Cromarty		36.24	.058	.036	.043	.048	.060	.045	.069	.039	.043	.067	.081	.060	.055
Shetland	Stornoway Airport	46.88	.045	.045	.050	.041	.036	.051	.046	.040	.056	.065	.051	.058	.050
Antrim	Lerwick Observatory	49.66	.045	.046	.037	.042	.033	.053	.043	.078	.080	.057	.054	.058	.052
	Aldergrove Airfield	39.02	.030	.049	.029	.017	.038	.041	.057	.035	.048	.067	.062	.039	.044

6 Heavy Falls in Short Periods in 1954

Heavy falls of rain in short periods are of great importance because of the inconvenience or damage which they may cause. Information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration and usually relates to widespread flooding rather than sudden damage over limited areas.

Table 6A indicates the classification used since January 1, 1936, and described in full in an article in Part IV of *British Rainfall* 1935. The diagram showing the full classification was printed in the volumes for 1935 to 1938.

A list of falls of "very rare" intensity lasting for *one hour or less* which were recorded between 1873 and 1938 was published in

British Rainfall 1938, and a supplementary table giving similar data for the years 1939 to 1946 was printed in *British Rainfall* 1946. Additional falls have been mentioned year by year since then. Five such falls were reported in 1954; 1.75 inch in 25 minutes at Ulpha on October 18, 1.98 inch in 36 minutes at Hertford (Sewage Works) on June 13, 3.00 inches in 60 minutes at Freshwater (Pumping Station) and 2.61 inches in 60 minutes at Freshwater (West Wight School) on August 21 and 2.32 inches in 60 minutes at Dorchester (Little Cheam) on May 13.

Table 6c gives particulars of falls recorded in 1954 which reached at least the intensity "noteworthy." In each case the entry gives

Table 6A. Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
min.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less	.43	10.9	5.16	.68	17.3	8.16	1.06	26.8	12.72
10 „ „	.54	13.8	3.24	.85	21.6	5.10	1.31	33.2	7.86
20 „ „	.68	17.3	2.04	1.06	26.8	3.18	1.61	40.9	4.83
30 „ „	.77	19.7	1.54	1.19	30.3	2.38	1.82	46.2	3.64
40 „ „	.85	21.6	1.27	1.30	33.2	1.95	1.98	50.3	2.97
50 „ „	.91	23.2	1.09	1.40	35.6	1.68	2.12	53.8	2.55
60 „ „	.97	24.5	.97	1.48	37.6	1.48	2.24	56.8	2.24
70 „ „	1.01	25.7	.87	1.55	39.4	1.33	2.34	59.5	2.01
80 „ „	1.05	26.8	.79	1.61	40.9	1.21	2.44	61.9	1.83
90 „ „	1.09	27.8	.73	1.67	42.4	1.11	2.52	64.0	1.68
100 „ „	1.13	28.8	.68	1.72	43.8	1.03	2.60	66.0	1.56
110 „ „	1.16	29.6	.63	1.77	45.0	.97	2.67	67.8	1.46
120 „ „	1.19	30.4	.59	1.82	46.2	.91	2.73	69.4	1.37

the largest amount recorded with a mean intensity "noteworthy", "remarkable" or "very rare", an entry in the highest category being in general preferred. In the case of the "remarkable" fall at Sheffield Waterworks (Rivelin) on May 12, additional information is given in italics at the end of the table. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

In Table 6C there are 48 entries compared with 52 "noteworthy" falls recorded during 1953. Table 6B gives the geographical distribution of these falls. The total number, 48,

The heavy falls of September and November were the result of intense cyclonic activity rather than the convective processes which normally account for "noteworthy" falls. Nearly half the 48 falls in 1954, 23, were recorded in August: 11 occurred in May, 5 in June, 2 in September, 5 in October and 2 in November.

Nine of the heavy falls in May occurred on the two days 12th and 13th. Widespread thunderstorms on these days brought to an end a spell of warm weather associated with a southerly airstream. Floods and damage were

Table 6B. Number of Noteworthy Rains of Two Hours' Duration or less

		England and Wales				Scotland	Northern Ireland	Total
		S.E.	S.W.	N.E.	N.W.			
1954	(a)	14	7	4	3	28	1	29
	(b)	7	4	5	2	18	1	19
	Total	21	11	9	5	46	2	48
Mean 1925-1953		25	13	7	6	51	4	56

(a) Observations made without autographic rain-gauges.
(b) Readings of autographic gauges.

was 8 less than the mean for the 29 years 1925-53 and followed the usual distribution with a preponderance of "noteworthy" falls in southern counties of England and Wales, particularly the south and east; and few in northern counties and Scotland. These figures do not indicate, however, the relative frequencies of intense falls in the respective districts, as the number of observers for a given area is much greater in south-east England than elsewhere. A remarkable feature of the chronological distribution was the absence of any fall attaining the category "noteworthy" or higher in July, a month in which the majority of heavy falls are usually recorded. The relatively large number of such falls in late autumn was also unusual. October recorded 10 per cent of the total for the year, compared with a mean of 2 per cent for the period 1860-1952; November recorded 4 per cent of the total compared with a mean of 0.5 per cent.

reported from many parts of London on the 12th, particularly at Fulham where a "remarkable" fall was recorded at Bishop's Park. Two "remarkable" falls were also recorded in Yorkshire on the same day, one at Rivelin, near Sheffield, and the other at Ilkley. The *Manchester Evening News* reported a landslide which blocked the Snake Pass between Manchester and Sheffield. At Rivelin water poured over the four foot parapet of a bridge into a stream below. The Borough Engineer and Surveyor at Ilkley reported minor damage but said that the steep slope of the hills prevented flooding to any extent. According to the *Berkshire Chronicle* considerable damage was done to electrical installations in the storm at Reading on the 12th; at Marlow a transformer was blown-up and at Play Hatch an 11,000-volt overhead line was struck by lightning and fell down. At Bicester a fall of 1.75 inch in 65 minutes from a non-standard

gauge was reported on the 12th, with local flooding and damage. At Salisbury, where two "noteworthy" falls occurred on the 13th, the *Salisbury Times* reported damage to houses and street flooding. A manhole cover was seen to be held one foot in the air for minutes as water gushed up. Mr. H. F. Middleton who recorded the "very rare" fall at Dorchester (Little Cheam) on the 13th said there was 6 inches of water in the house and that the cattle yard was flooded to the top of the cows' backs. Disaster to the cows was averted by the collapse of a brick wall. Thunderstorms associated with troughs of low pressure moving across the country in a southerly airstream, occurred from the 25th to 30th and were widespread on the 28th when the "noteworthy" falls occurred at Hessle and Anlaby, in East Yorkshire.

The three heavy falls in Huntingdonshire on June 5 occurred in one of many extensive thunderstorms which preceded the passage of a trough of low pressure across the country. A depression subsequently formed in the trough. The Senior Meteorological Officer at Wyton Airfield gave details of damage at the airfield and locally, resulting from the "very rare" fall recorded there on the 5th: the boiler houses of both the Officers' and Airmen's messes and several of the old-type married quarters were flooded to depths of 5 feet; the sewage ejector pump was also flooded and the mass of water flowing through the drain pipes was such that sewage was being forced out of the manholes. At Broughton, two miles to the north of Wyton, one street was under 5 feet of water for about eight hours and there was a report from a chicken farm at Ramsay of the drowning of 90 birds. Fuller details and an account of the synoptic conditions at the time are given in the *Meteorological Magazine*, No. 83, August 1954. The fall at Wyton was the heaviest ever recorded in two hours or less in Huntingdonshire. Mr. Day at Long Newnton, Gloucestershire, recorded 3.46 inches in three and a half hours on the 5th. Unfortunately there are no details of the maximum fall in two hours but it must have been sufficiently great to rank as

"remarkable." There was a further outbreak of thunderstorms in the early hours of the 13th and villages in Huntingdonshire again suffered damage and floods. The storm which was responsible for a "very rare" fall at Hertford Sewage Works on the 13th caused much damage in surrounding districts. Overhead electric cables were struck, causing current failure over a wide area and putting telephone exchanges out of action for 20 minutes. A flooded railway tunnel at Potters Bar caused a suspension of services for a time. At Kinton St. Michael in Wiltshire a man waded shoulder-deep to save pigs swimming about in a sty. A fall of 1.41 inch in 45 minutes was unofficially reported from the U.S.A.F. station at Wethersfield, Essex, on the afternoon of 13th. The *Halstead Gazette* reported that at one farm the flood waters of a brook swept through the yard and washed half a ton of meal off the floor of one of the buildings. Empty milk churns floated out of the yard across the road and into the front garden.

The weather in August was dominated by frequent and active depressions. Thunderstorms were reported on many days and were particularly severe from the 6th to the 9th. On the 6th, when a "noteworthy" fall was recorded at Hampton Court, damage was caused by flooding at many places in London and more than a dozen houses were struck by lightning. Storms were severe in the Midlands and Yorkshire on the 7th. A woman was killed by lightning at Humberston, Lincolnshire, and there were several reports of the death of livestock. It was reported by the *Sunday Sun* that "the road near Whitby was strewn with hailstones and slush to a depth of six or eight inches. Some of the hailstones were as big as golf balls". The heavy falls of the 12th occurred in thunderstorms which were associated with a trough of low pressure moving across the British Isles. Storms were particularly severe in the West Country. Mr. P. S. Smith of Glastonbury (Hartlake Farm), who recorded a "remarkable" fall of 1.43 inch in 35 minutes, said, "Hundreds of acres of farmland were under water and hay afloat;

in the village of North Wootton the roads were like rivers till late evening." A remarkable fall was also recorded at Shepton Mallet (Pondsmead) where 1·30 inch fell in 25 minutes. Mr. Skirton, the observer, referred to extensive damage to crops caused by hailstones, and paths washed away to their foundation. Houses in the lower part of the village (Oakhill) were flooded to a depth of 2 to 3 feet. A woman was killed and two boys were injured whilst sheltering under a tree at Stratford-on-Avon. More widespread thunderstorms occurred on the 15th–16th and a "noteworthy" fall was recorded at Coddensham, near Ipswich, on the latter day. According to the *Kent and Sussex Courier* "miniature whirlwinds were seen at Jarvis Brook on the 15th. Paper was blown high into the air and the side of a kiln pulled out by the suction of the wind." Nearly a third of the year's heavy falls were recorded on the 20th and 21st when widespread and severe thunderstorms were associated with a depression centred in the North Sea. Mr. G. D. Watson gives some interesting details of a storm on the 20th over a very small area at Bisley, Surrey. He believes from various accounts of buckets which were empty when the storm began and almost full when it was over, that four inches or more of rain must have fallen; the local stream rose $3\frac{1}{2}$ to 4 feet and, unusually, there was a noticeable rise in temperature after the storm had died out. Much flood damage was reported, especially from Yorkshire, though in many cases the floods were the cumulative effect of heavy rainfall from the beginning of August followed by exceptionally heavy storms on the 20th to 22nd; details can be found in Section 7, "Heavy Falls on Rainfall Days." In the Thorney-Wisbech area, where two "noteworthy" falls occurred on the 21st, fruit was bruised by hail and potato fields were 2 to 6 inches deep in water. The *Cambridgeshire Times* reported that milk bottles left outside homes collected 2 to 3 inches of water. During the heavy storm at Stoke-on-Trent, where a "noteworthy" fall was recorded at Hanley Sewage

Works, a water-main was split open by lightning and sixteen houses were flooded to a depth of 3 feet. There was an unconfirmed report of a "noteworthy" fall of 1·54 inch in 90 minutes at Carlton Colville, near Lowestoft, but this has not been included in the table. Flooding and structural damage were reported from the town. The heaviest rainfall was recorded in the Isle of Wight, however, where two "very rare" and one "noteworthy" falls were reported at Freshwater on the 21st. The fall of 3·00 inches in 60 minutes at the Pumping Station equals the heaviest known fall in one hour or less in Hampshire, which occurred at Fareham on May 26, 1911. The *Southern Daily Echo* said, "so heavy was the rain that people caught in the streets were up to their waists in water before they could reach shelter. In seconds tiny streams were turned into raging torrents and roads into rivers. Along the main roads manhole covers were hurled into the air by the terrific pressure of water. Buses and cars were quickly stranded in the swirling floods which reached a depth in places of four feet." The *Isle of Wight County Press* reported that this local storm did not affect the top of the downs to the south nor extend more than 300 yards offshore, but "The most badly affected property was the Vine Hotel, Freshwater, which formed the focal point of the three torrents rushing down from High Street, Queen's Road and Tennyson Road. Some idea of the force of the flood can be gathered from the fact that in the forecourt of the hotel an iron plate weighing $2\frac{1}{2}$ cwt. was torn up and moved several yards. The most fantastic sight of all was in the centre of the road opposite the Prince of Wales Inn where for an hour a heavy iron manhole rose and fell as the pressure of water from the storm varied."

Only two falls were noted in *September*, one at Morecambe on the 10th and one at Bruton on the 11th. Both falls were apparently associated with intense cyclonic rain rather than thunderstorms. In Morecambe and Heysham streets were flooded so deeply that traffic was stopped. Luckily the tide was out

at the time of the intense fall, otherwise water would have been held back in the storm-water sewers, most of which drain into the sea, and flooding would have been far worse. Mr. May, the observer of the fall at Bruton said that the rain fell during a very local storm which appeared to come from the west-south-west.

Thunderstorms were frequent in *October* and a particularly severe one occurred in north-west England on the evening of the 3rd. A landslide brought about by heavy rainfall occurred on the railway between Liverpool and Manchester. Houses were struck by lightning and badly damaged in Stretford and Blackpool, and flooding occurred in many places. The first "noteworthy" fall of the month, however, was reported from Aberdeen on the night of the 3rd and 4th, the greater duration occurring on the 4th. The cleansing department were reported to have cleared 10 tons of mud and silt from the streets. A 33,000-volt transformer was badly damaged by lightning at Banchory and six telephone exchanges were put out of action in Aberdeenshire. The "very rare" fall of 1.75 inch in 25 minutes (mean rate 4.2 inches per hour) at Ulpha occurred towards the end of a wet period from the 15th to 18th. It is the largest amount on record, in 30 minutes or less, in the four

northern counties of England. Although the intensity was exceeded on June 13, 1917, at Ushaw (Durham) when .55 inch fell in 6 minutes (mean rate 5.5 inches per hour) and on July 21, 1914, at Kirkby Lonsdale (Westmorland) when 1.50 inch fell in 20 minutes (mean rate 4.5 inches per hour), the previous extreme intensity for Cumberland was 3.40 inches per hour at Whitehaven on July 6, 1894, when .85 inch fell in 15 minutes. The "noteworthy" falls at Hastings and Lympne on the 24th were interesting in that they were associated with warm sector rain, accompanied at Hastings by hail and strong winds. The *Sussex Daily News* reported that Priory Street in Hastings was under water. Manhole covers were forced up in several places and streets flooded; about 200 telephones were put out of action.

The noteworthy fall recorded at Ulpha on *November* 11 was associated with an active depression moving north-east across the north of Scotland. Flooding occurred in many places, including Cumberland, but again was the result of more sustained general rainfall rather than individual intense falls. The "noteworthy" fall on November 25 at Litton, Somerset, too, occurred during a period of more general heavy rainfall which persisted from the 21st to the end of the month.

Table 6c. Heavy Falls in Short Periods in 1954

County and River Division	Station	Date	Amount	Began at	Dura- tion	Rate per Hour
	(a) EYE OBSERVATIONS		in.	G.M.T	min.	in.
Wiltshire 1	Westbury (Braemar)	Aug. 12	·56	15 00	10	3·36
Yorks, E.R. ...3	Hessle (Sandford)	May 28	·73	18 05	17	2·58
Huntingdon ...1	St. Ives (Tenterleas)	Jun. 5	·84	15 45	20	2·52
Leicester 2	Market Harborough (Nithsdale Av.)	Aug. 12	·76	18 30	20	2·28
Stirling 4	Balfron (Ballikinrain)	Oct. 28	·69	11 55	20	2·07
Cumberland ...4	Ulpha	Oct. 18	1·75	00 55	25	4·20†
Somerset 1	Shepton Mallet (Pondsmead)	Aug. 12	1·30	14 05	25	3·12*
Hereford 2	Downton Castle (Estate Office) ...	Aug. 21	·95	14 00	25	2·28
Somerset 2	Glastonbury (Hartlake Farm).....	Aug. 12	1·43	14 00	35	2·45*
Yorks, E.R. ...3	Anlaby (Beverley Road)	May 28	1·20	17 30	45	1·60
Cambridge 3	Thorney Toll (Elm Tree Farm) ...	Aug. 21	1·05	13 00	45	1·40
Suffolk 2	Coddenham (Shrubland Park)	Aug. 16	·92	15 45	45	1·23
Wiltshire 3	Salisbury (Manor Road)	May 13	1·30	13 10	55	1·42
Hampshire 1	Freshwater (Pumping Station)	Aug. 21	3·00	11 30	60	3·00†
Hampshire 1	Freshwater (West Wight School)...	Aug. 21	2·61	11 30	60	2·61†
Dorset 3	Dorchester (Little Cheam)	May 13	2·32	15 15	60	2·32†
Huntingdon ...1	St. Neots (Kings Road)	Aug. 20	1·00	12 30	60	1·00
London 2	Isle of Dogs (Island Gardens)	Aug. 20	1·25	16 10	70	1·07
Cumberland ...4	Ulpha	Nov. 11	1·19	08 00	70	1·02
Huntingdon ...1	Abbot's Ripton Hall	Jun. 5	1·56	15 15	75	1·25
Hampshire 1	Freshwater (Waterworks)	Aug. 21	1·27	11 15	75	1·02
Sussex 1	Hastings (White Rock)	Oct. 24	1·34	04 00	90	·89
Cambridge 3	Thorney (Nuts Grove Farm)	Aug. 21	1·10	12 00	90	·73
Huntingdon ...1	Wyton Airfield	Jun. 5	3·15	15 00	105	1·80†
Yorks, W.R....10	Ilkley (Spence's Garden)	May 12	2·29	15 45	120	1·15*
Buckingham ..2	Princes Risborough (Research Lab.)	May 12	1·37	16 20	120	·69
Somerset 2	Bruton (South Brewham)	Sept. 11	1·34	10 00	120	·67
Lancashire, N. 3	Morecambe	Sept. 10	1·26	11 00	120	·63
Somerset 2	Ashcott (Bradley Cottage)	Aug. 12	1·19	13 45	120	·59
	(b) AUTOGRAPHIC RECORDS					
London 2	Hampstead Observatory	Aug. 12	·79	17 46	12	3·95
Middlesex 1	Hampton Waterworks	Aug. 6	·79	17 46	17	2·79
Aberdeen 1	Aberdeen (Mannofield Res.)	Oct. 4	·71	23 51	21	2·03
London 2	Kensington Palace	Jun. 13	·72	01 18	22	1·96
Cheshire 1	Sale (Carrington Lane)	Aug. 21	·72	14 51	23	1·88
Worcester 3	Defford Airfield	May 13	·79	09 24	24	1·97
Wiltshire 3	Salisbury (Sewage Works)	May 13	·75	13 51	24	1·87
Somerset 1	Litton (Sherborne Reservoir)	Nov. 25	·85	13 59	28	1·82
Hertford 3	Hertford (Sewage Works)	Jun. 13	1·98	01 30	36	3·30†
London 2	Fulham (Bishop's Palace)	May 12	1·81	16 07	45	2·41*
Yorks, W.R....7	Rotherham (Aldwarke Sew. Wks.) .	Aug. 20	1·16	14 54	48	1·45
Stafford 4	Hanley (Sewage Works)	Aug. 21	1·05	16 12	50	1·26
Yorks, W.R....7	Sheffield W.W. (Redmires Res.) ...	Aug. 20	·93	16 15	50	1·12
Berkshire 4	Reading (Caversham Lock)	May 12	1·11	17 02	51	1·31
Kent 2	Lympne Airport	Oct. 24	1·04	05 49	59	1·06
Yorks, W.R....7	Sheffield W.W. (Rivelin)	May 12	1·70	17 00	60	1·70*
Yorks, W.R....7	Sheffield W.W. (Rivelin)	Aug. 20	1·00	15 00	60	1·00
Devonshire, S. 6	Exeter Airport	Aug. 22	1·19	14 54	68	1·05
Yorks, W.R....7	Sheffield W.W. (Redmires Res.) ...	Aug. 21	1·27	18 57	85	·90
Yorks, W.R....7	Sheffield W.W. (Rivelin)	May 12	1·00	17 00	20	3·00

* "Remarkable" fall.

† "Very Rare" fall.

Table 6D gives frequencies of falls within stated categories for 33 stations which have been selected from those in Table 5A. The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part

of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0·4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0·6 inch), 20 mm. (0·8 inch) and 25 mm. (1·0 inch).

7 Heavy Falls on Rainfall Days in 1954

The daily measurements of rain which are set out in this Section are (a) falls amounting to $2\frac{1}{2}$ inches or more on the rainfall day, and (b) falls which amount to at least $7\frac{1}{2}$ per cent of the total recorded for the year 1954. A fall of $2\frac{1}{2}$ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of $7\frac{1}{2}$ per cent is introduced as well in order to admit certain falls of less

than $2\frac{1}{2}$ inches in areas where the total rainfall of the year does not exceed 33·3 inches.

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall* 1934. The article also included a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1954 are set out in Table 7A.

Table 7A. Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	in.	Per cent	Station	Div.	Per cent	in.	Station	Div.	
1935	6·16	5·7	New Dungeon Ghyll..	X	12·2	4·83	Batheaston Reservoir	V	1935
1936	5·80	..	Glenshiel.....	XVIII	12·8	3·97	St. Albans (Oaklands)	III	1936
1937	5·76	18·2	Waltham-on-Wolds...	VII	18·2	5·76	Waltham-on-Wolds...	VII	1937
1938	7·14	5·2	Buttermere (Hassness)	X	15·4	5·61	Torquay (Abbey Park)	V	1938
1939	5·08	4·8	Blaenau Festiniog....	XI	11·8	4·01	Milford W.W.	VI	1939
1940	6·23	6·8	Rhondda (Llyn Fawr).	XI	14·7	4·18	Scarborough (Osgodby)	IX	1940
1941	5·10	9·2	Merthyr Tydfil.....	XI	18·8	4·54	Wickham Bishops...	IV	1941
1942	5·33	6·2	Grange-in-Borrowdale	X	12·0	3·55	Burnham (Chalbury).	V	1942
1943	4·44	4·6	Grange-in-Borrowdale	X	10·5	2·78	Torphins School House	XVII	1943
1944	5·20	3·2	Snowdon (Llydaw In.)	XI	14·0	4·45	Kilve (Harefield)....	V	1944
1945	4·85	5·4	Borrowdale (Moraine)	X	16·6	3·82	Boston (Grand Sluice)	VII	1945
1946	6·83	6·4	Princetown		12·6	3·48	Doxford Hall.....	X	1946
			(H.M. Prison)	V	12·6	3·51	Chathill (Preston Twr.)	X	1946
1947	6·28	6·4	Glenquoich.....	XVIII	20·8	5·04	Wisley (Outfall Wks.)	II	1947
1948	6·21	17·0	Kelso (Floors)	XII	17·0	6·21	Kelso (Floors).....	XII	1948
1949	6·04	3·5	Glenshiel (Kyle)	XVIII	19·1	4·12	March	III	1949
1950	4·55	4·2	Coniston (Holywath) .	X	11·2	3·04	Fordham (London Hse.)	III	1950
1951	4·53	4·0	Thirlmere (Dale Head)	X	9·9	3·34	Oxford (Radcliffe)...	III	1951
1952	9·00	10·7	Longstone Barrow ...	V	14·7	4·83	Boreham Wood	III	1952
1953	6·50	5·4	Snowdon (Cwm Dyli).	XI	12·0	3·25	Southampton		
							(Portswood)	II	1953
1954	6·02	5·0	Loch Quoich						
			(Cruadhach)	XVIII	11·9	3·56	Wyton Airfield	III	1954

The year as a whole does not call for special comment with regard to heavy falls on rainfall days. The heaviest fall of the year, 6.02 inches at Loch Quoich (Cruadhach) on December 17, is about the median heaviest fall, which in the long run can be expected to be exceeded somewhere in Britain during 50 per cent of years. (In Table 7A, 10 of the falls entered in the second column exceed 6

ponding numbers for other limits were: 3 inches, 98; 4 inches, 12; 5 inches, 2. The outstanding day was January 20 with more than 20 per cent of these falls.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

Table 7b. The Largest Daily Rainfalls in 1954

Date	Div.	Station	Amount	Per cent of Year	Total for Year
Dec. 17	XVIII	Loch Quoich (Cruadhach).....	in. 6·02	% 3·1	in. 194·38
" 27	"	" "	5·01	2·5	194·38
Jan. 24	XV	Mull (Ulva)	4·75	6·3	75·52
Oct. 12	XVIII	Loch Quoich (Cruadhach).....	4·74	2·4	194·38
" 28	XII	Kettleton	4·50	6·7	66·74
June 15	X	Grasmere (Meadow Brow)	4·37	3·5	123·59
Dec. 18	XVIII	Loch Quoich (Cruadhach).....	4·35	2·2	194·38
June 15	X	Great Langdale (Long House)	4·33	2·9	149·29

inches, and 10 are less than 6 inches.) Moreover this fall occurred in a very wet district, so that it is not particularly outstanding as a local phenomenon; falls of the same order have been recorded there on a number of previous occasions. The highest percentage fall, 3.56 inches or 11.9 per cent, at Wyton Airfield on June 5 has been exceeded in all but 4 years since 1935.

Dates of occurrence and measurements of the 8 largest falls of rain during 1954 are given in Table 7B. The table shows also the total amount for the year and the percentage of this total accounted for by the highest daily fall. Four of the entries are for the relatively new station at Cruadhach on Loch Quoich, which recorded 10·37 inches for the two days December 17, 18.

There were 306 falls which reached or exceeded 2½ inches, and of these the corres-

CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. G.M.T. on the day of entry.

In 1954, flooding through frequent rains was extensive. Vulnerable areas were repeatedly affected.

January was a month of very changeable weather including a spell of mild south-westerlies, 18th–20th, when widespread heavy falls occurred in many parts of the mountainous west from Snowdonia northwards. The heaviest and most numerous of the recorded falls were concentrated on the Lancashire side of the Pennines during a period of about 18 hours beginning on the morning of the 20th.

January 15

<i>Ross and Cromarty</i>	in. or %
Strathconan (Bridgend)	2.55 —

January 18

	<i>in.</i>	<i>or</i>	<i>%</i>
<i>Cumberland</i>			
Watendlath Farm	2·94	2·4	
<i>Westmorland</i>			
Wet Sleddale (Mirethwaite)	3·40	2·7	
Great Langdale (Long House)	3·14	2·1	
Grasmere (Meadow Brow)	2·75	2·2	
<i>Lanarkshire</i>			
Daer (Daerhead)	2·55	2·4	
<i>Dunbartonshire</i>			
Loch Sloy (Sloy Power Station)	2·61	2·0	
<i>Argyllshire</i>			
Ardgour (Inversanda)	3·38	2·6	
Ardgour House	3·35	2·7	
Conaglen	2·58	2·3	
<i>Inverness-shire</i>			
Loch Quoich (Cruadhach)	3·20	1·6	
<i>Ross and Cromarty</i>			
Glenshiel (Kyle)	3·11	2·1	

January 20

<i>Derbyshire</i>			
Hayfield (Hollin Head)	2·50	3·7	
<i>Lancashire</i>			
Bolton Waterworks (Springs)	3·11	3·9	
Bolton Waterworks (Delph)	2·79	3·7	
Bolton Waterworks (Wayoh)	2·76	3·8	
Bolton Waterworks (Entwistle)	2·67	3·7	
Rochdale (Hamer Pasture Reservoir) ..	2·58	3·8	
Rochdale (Naden Filters)	2·52	3·8	
Ramsbottom	2·83	4·2	
Rochdale (Spring Mill, Whitworth) ..	2·56	3·6	
Helmshore (Exp. Horticultural Farm) ..	2·54	3·3	
Haslingden (Holden Wood) No. 1 ...	2·60	3·6	
Haslingden (Calf Hey)	2·74	3·6	
Haslingden (Ogden) No. 1	2·70	3·8	
Rawtenstall (Green Fold Res.) No. 1 ..	2·72	4·2	
Rawtenstall (Clough Bottom)	2·64	3·9	
Rawtenstall (Clowbridge Res.) No. 1 ..	2·65	3·8	
Darwen (Sunnyhurst Hey Reservoir) ..	3·28	4·4	
Darwen (Earnsdale Reservoir)	3·24	4·4	
Darwen (Bold Venture Park)	3·38	4·3	
Haslingden (Mitchell's House Res.) ..	2·55	4·0	
Blackburn (Guide Reservoir)	3·18	5·2	
Blackburn (Witton)	3·09	5·9	
Accrington (Oak Hill Park)	2·89	4·6	
Samlesbury (Sewage Works)	3·00	6·1	
Huncoat (Burnley Road Reservoir) ..	2·64	4·5	
Rishton	3·34	—	
Rishton (Sewage Works)	2·92	5·2	
Great Harwood (Parsonage Res.) ...	2·98	5·6	
Great Harwood (Kebb Farm)	3·20	5·1	
Longridge (Alston Reservoir)	3·25	5·6	
Whalley (Calderstones Institution) ..	3·02	5·3	
Ribchester Institution	3·40	5·4	
Stonyhurst College	3·40	5·3	
Longridge (Cowley Brook)	3·63	5·5	

Lancashire—continued

	<i>in.</i>	<i>or</i>	<i>%</i>
Longridge (Spade Mill)	3·54	5·7	
Sabden (Churn Clough Reservoir) ..	2·57	4·1	
Barley (Ogden Reservoir)	2·54	3·4	
Pendle Hill (Buttock)	2·65	3·4	
Clitheroe (Higher Standen Cottage) ..	2·95	4·7	
Hornby (The Snab)	3·65	4·8	
Fulwood W.W. (Haighton Reservoir) ..	2·83	5·0	
Fulwood W.W. (Barnsfold Reservoir) ..	3·62	5·4	
Garstang (Barnacre Reservoir)	2·82	4·0	
Garstang (Grizedale Reservoir)	2·50	4·0	
Wyresdale (Abbeystead Reservoir) ..	4·07	5·2	
Abbeystead Gardens	4·01	5·4	
Damas Ghyll Reservoir	2·90	4·0	

Yorkshire

High Bentham (Inglefield)	2·65	4·0	
Slaidburn (Hareden Valley)	3·85	3·8	
Slaidburn (Langden Brook)	4·10	3·8	
Slaidburn (Dunsop Houses)	3·66	3·9	
Slaidburn (Footholme)	3·88	4·2	
Slaidburn (Croasdale House)	2·74	3·2	
Slaidburn (Sparrow Park)	2·55	3·1	
Slaidburn (Stocks) No. 11	2·64	3·2	
Slaidburn (Whitendale)	3·01	3·1	
Halifax W.W. (Gorple Reservoir)	2·53	3·4	

Westmorland

Patterdale Hall	2·72	2·2	
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Merionethshire

Llyn Morwynion	2·54	1·9	
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Caernarvonshire

Snowdon (Cwm Dyli)	2·81	1·6	
Snowdon (Cwm Dyli, Old Road) ...	2·75	1·6	
Snowdon (Llydaw Intake)	3·04	1·6	

January 24

Argyllshire

Mull (Ulva)	4·75	6·3	
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In *February* there were no heavy falls, although rainfall was above average in most parts of Britain, and in *March* similarly a number of periods of moderate rain resulted in only a few daily totals exceeding 2·50 inches.

March 6

	<i>in.</i>	<i>or</i>	<i>%</i>
<i>Glamorgan</i>			
Ferndale Park	2·60	2·5	
Rhondda (Castell Nos Reservoir) ...	2·63	2·2	
Rhondda (Lluest Wen Filter)	2·59	2·1	
Rhondda (Lluest Wen Reservoir) ...	2·64	2·0	

March 29

Argyllshire

Ardrishaig (Stronachullin)	2·90	2·8	
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April was very dry; the unsettled weather which was to characterize the whole summer began at the end of the month, and *May* was dull and wet. Isolated heavy falls occurred as the result of thundery conditions, especially on the 12th, and a more extensive fall occurred in South Wales on the 24th in a southerly airstream associated with a low to the west of Ireland.

May 12

<i>Surrey</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Whiteley Village	2.33		7.6

May 24

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ystalyfera (Wern House)	2.84		3.0
Rhondda W.W. (Llyn Fawr Reservoir)	2.76		2.0
Treherbert Park	2.54		2.1
Treherbert (Tyn-y-waun)	2.88		2.2
<i>Carmarthenshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Llyn-y-fan Fach (Nant Coch)	3.53		3.5
Llyn-y-fan Fach (Troed-y-Foel)	3.50		3.7
Conwil-Elvet (Cwmtawel Reservoir) .	2.65		3.3
Brechfa	2.69		3.2

The same general weather type continued in *June*. Of the heavier falls, most occurred during thunderstorms and were relatively local, except on the 15th when a small but active depression, one of a series, brought heavy rain to Snowdonia and the Lake District.

June 5

<i>Gloucestershire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Long Newton	3.46		8.2
<i>Herefordshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hampton Bishop	2.70		9.0
<i>Shropshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Anchor (Kerry Forest)	2.70		4.4
<i>Huntingdonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wyton Airfield	3.56		11.9

June 6

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ogmore Vale	2.66		2.0

June 12

<i>Hertfordshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hertford (Sewage Works)	2.22		8.5

June 15

<i>Lancashire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Cartmel Fell (Tower Wood)	2.72		3.1
Coniston (Holywath)	3.88		2.7
Near Sawrey (Ferry House)	2.96		3.3
Far Sawrey (Righting House)	2.67		3.0
Hawkeshead (Wraymires Fisheries) ..	2.77		2.9
High Wray (Huyton Hill School) ...	3.05		3.0

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Thirlmere (The Nook)	2.81		2.1
Borrowdale (The Moraine)	3.81		—
Watendlath Farm	2.95		2.4
Gosforth (Netherwasdale)	2.62		3.0
Ulpha (Intake)	2.71		2.5

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wet Sleddale (Mirethwaite)	3.21		2.5
Windermere (Nurseries)	3.00		3.2
Windermere (Holebird)	2.83		2.9
Windermere (Brockhole)	2.63		2.6
Windermere (Briery Close)	2.70		2.8
Ambleside	2.70		2.5
Rydal (The Hall)	3.44		2.9
Great Langdale (Long House)	4.33		2.9
Grasmere (Meadow Brow)	4.37		3.5
Milnethorpe (Crooklands)	3.05		4.6
Levens (Beathwaite)	2.68		3.7
Levens (Bridge End)	2.52		3.7
Killington Reservoir	3.21		4.1
Kendal School	3.02		4.1
Kendal (Fisher Tarn Reservoir)	3.05		3.9
Kendal (Ellergreen)	3.62		4.2
Moor House (Dufton)	2.52		2.5

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2.96		1.7
Snowdon (Cwm Dyli, Old Road) ...	2.88		1.7

July was another month in which depressions followed tracks far to the south of the route usually taken in summer. The Lake District, the Pennines, North Wales, the Southwest Peninsula and even southern England were all affected by heavy falls, whilst falls in Scotland were more moderate.

July 23

<i>Lancashire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Coniston (Holywath)	3.70		2.6
<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Slaidburn (Hareden Valley)	2.72		2.7
Slaidburn (Langden Brook)	3.30		3.1
Slaidburn (Brennand)	3.53		3.4
Slaidburn (Whitendale)	3.92		4.1
Ribblehead	3.10		2.8

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Gosforth (Netherwasdale)	3.15		3.6

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Llyn Morwynion	3·27		2·5
Manod Ffestiniog	2·65		2·1
Ffestiniog (Penmaesllan)	2·55		2·4
Dolgelley (Borthwnog)	2·57		3·0

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2·63		1·5
Snowdon (Cwm Dyli, Old Road) ...	2·61		1·6

July 25

<i>Hampshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ventnor Park	2·60		6·5
Chillerton	2·53		6·2

<i>Devonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Lee Moor House	2·72		3·6
Dartmoor (North Hessary Tor)	2·53		3·2
Wrangaton (Moorhaven Hospital) ..	3·16		4·5
South Brent (Badworthy)	2·77		3·4
South Brent (Bala Brook)	2·74		2·8
Princetown (H.M. Prison)	2·88		2·9

July 27

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	2·83	—	
Watendlath Farm	2·85		2·5
Thirlmere (Dale Head Hall)	2·55		2·1

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Patterdale Hall	2·85		2·3
Great Langdale (Long House)	2·81		1·9

August showed little change. England and Wales were again relatively more seriously affected by periods of rain associated with depressions, and also by outbreaks of thunder. Only at the end of the month were there any depressions following more northerly tracks and mainly affecting the Western Highlands. Apart from the falls listed for the 31st, Loch Quoich (Cruadhach) had 5·20 inches on 28th–29th and of this amount probably about 3·50 inches fell on the 29th.

August 1

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ystalyfera (Wern House)	2·55		2·7
Rhondda W.W. (Llyn Fawr Reservoir)	2·71		2·0
Ogmore Vale	2·54		1·9
Treorchy (Pumping Station)	2·55		2·1
Treherbert Park	2·53		2·1
Rhondda (Castell Nos Reservoir) ...	2·57		2·2

<i>Glamorgan—continued</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rhonda (Lluest Wen Filter)	2·60		2·1
Rhondda (Lluest Wen Reservoir) ...	2·65		2·0

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Swansea W.W. (Nantyrwydd)	3·10		2·7
Cardiff W.W. (Beacons Reservoir) ..	3·12		3·0
Cardiff W.W. (Storey Arms Field) ..	3·12		3·0
Taf Fechan (Neuadd Reservoir) No. 4	2·75		2·8
Taf Fechan (Neuadd Reservoir) No. 11	2·50		2·5
Taf Fechan (Neuadd Reservoir) No. 11A	2·77		2·6
Swansea W.W. (Cray Reservoir) No. 1	3·16		2·8

August 13

<i>Devonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ashwater Rectory	2·67		5·0

August 17

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Llyn Morwynion	3·15		2·4
Manod Ffestiniog	2·71		2·1
Blaenau Festiniog (Oakeley Qu.) ...	3·40		2·3
Blaenau Festiniog (Llechwedd Qu.) .	3·25		2·3

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2·60		1·5
Snowdon (Llydaw Intake)	3·45		1·8

August 20

<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Conisborough (Firsby Reservoir) ...	2·48		8·2

August 21

<i>Hampshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Freshwater (Pumping Station)	3·10		8·3
Freshwater (West Wight School) ...	2·63		7·2

August 31

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	3·60		1·9
Loch Ailort (Polnish)	2·60		2·9

In *September* there was a steady succession of depressions passing across or to the north of Scotland. Western districts were mainly affected but despite large totals for the month there were few individual days with heavy falls. Apart from the falls listed for the 23rd there was 3·29 inches at Ardrishaig (Stronachullin) on 22nd–23rd and nearly all of this fell on the 23rd.

September 9

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	2·61	—	
Watendlath Farm	2·50		2·0

September 10

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wet Sleddale (Mirethwaite)	3·15		2·5

September 16

<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Kilmelfort (Tralaig, Blaran)	2·66		—

September 23

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rydal (The Hall)	2·67		2·2
<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Morvern (Kingairloch)	2·63		2·1

The unsettled situation was accentuated in *October*, the mountains of the west receiving abundant rainfall throughout the month and all the heavy falls on individual days. Apart from the daily falls listed there was a 48-hour total of 6·00 inches at Wet Sleddale on 17th–18th, and another of 5·20 inches at Llydaw Intake on 22nd–23rd, of which probably about 3·90 inches fell on 23rd.

October 4

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rhondda W.W. (Llyn Fawr Reservoir)	3·33		2·5
Maesteg (Welfare Park)	2·80		2·7
Pontycymmer	3·16		2·6
Ogmore Vale	3·40		2·6
Treorchy (Pumping Station)	2·50		2·0
Treherbert Park	2·64		2·2
Treherbert (Tyn-y-waun)	2·83		2·2

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Swansea W.W. (Nantyrwydd)	2·84		2·5

<i>Montgomeryshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Corris (Ceinws Camp)	2·84		2·6

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Manod Ffestiniog	3·00		2·4
Blaenau Festiniog (Oakeley Qu.) ...	3·95		2·6
Blaenau Festiniog (Llechwedd Qu.) .	3·87		2·8

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	3·13		1·8
Snowdon (Cwm Dyli, Old Road) ...	2·93		1·8

October 5

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ogmore Vale	2·62		2·0

October 12

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	4·74		2·4

October 14

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Cardiff W.W. (Storey Arms Field) ..	2·53		2·4
Swansea W.W. (Cray Reservoir) ...	2·57		2·3

<i>Montgomeryshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Corris (Ceinws Camp)	3·28		3·0

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Llyn Morwynion	2·80		2·1
Manod Ffestiniog	3·49		2·7
Ffestiniog (Penmaesllan)	2·72		2·6
Blaenau Festiniog (Oakeley Qu.) ...	4·00		2·7
Blaenau Festiniog (Llechwedd Qu.)..	3·67		2·6

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Capel Curig (Glyn Curig)	3·17		2·3
Snowdon (Cwm Dyli)	3·20		1·8
Snowdon (Cwm Dyli, Old Road) ...	2·98		1·8
Snowdon (Llydaw Intake)	2·76		1·4

October 15

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	3·28		—
Watendlath Farm	3·40		2·7
Thirlmere (Dale Head Hall)	2·50		2·1

<i>Dumfriesshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Langholm (Craigcleuch)	2·53		3·1

October 17

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	2·93		—
Watendlath Farm	2·82		2·3

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rydal (The Hall)	2·60		2·2
Great Langdale (Long House)	3·23		2·2
Grasmere (Meadow Brow)	2·58		2·1

<i>Co. Tyrone</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Omagh (Edenfel)	2·78		5·1

October 18

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Thirlmere (The Nook)	2·68		2·0
Borrowdale (The Moraine)	2·78		—
Watendlath Farm	2·50		1·9

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Patterdale Hall	2·98		2·4
Martindale (Howtown)	2·53		2·9

<i>Lanarkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Daer (Daerhead)	2·50		2·3

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	2·58		1·3

<i>Ross and Cromarty</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Glenshiel (Kyle)	3·25		2·2

October 23

<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Slaidburn (Langden Brook)	2·60		2·4

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wet Sleddale (Mirethwaite)	3.00		2.4
<i>Glamorgan</i>			
Rhondda W.W. (Llyn Fawr Reservoir)	3.01		2.2
Treherbert Park	2.64		2.2
Treherbert (Tyn-y-waun)	2.75		2.1
Rhondda (Castell Nos Reservoir) ...	2.62		2.2
Rhondda (Lluest Wen Filter)	2.80		2.3
Rhondda (Lluest Wen Reservoir) ...	3.00		2.3
<i>Merionethshire</i>			
Manod Ffestiniog	2.70		2.1
Blaenau Ffestiniog (Oakeley Quarry). .	3.84		2.6
<i>Caernarvonshire</i>			
Capel Curig (Gwydyr)	2.79		2.7
Capel Curig (Glyn Curig)	3.17		2.6
Llanrwst (Tal-y-bont)	2.77		3.6
Bethesda (Penrhyn Quarries)	3.00		3.9
Beddelert (Primary School)	2.79		2.4
Snowdon (Cwm Dyli)	4.00		2.3
Snowdon (Cwm Dyli, Old Road) ...	3.80		2.3

October 28

<i>Cumberland</i>			
Thirlmere (The Nook)	2.64		2.0
Watendlath Farm	2.64		2.1
Wet Sleddale (Mirethwaite)	2.97		2.4
Haweswater (Burn Banks)	4.10		4.2
Ambleside	2.64		2.5
<i>Kirkcudbrightshire</i>			
Mossdale (Hensol)	2.50		3.5
<i>Dumfriesshire</i>			
Maxwelton House	2.60		4.5
Kettleton	4.50		6.7
Durrisdeer (Drumlanrig)	2.75		4.2
<i>Lanarkshire</i>			
Daer (New Crookburn)	2.74		2.6
Daer (Garls Craig)	2.54		2.8
Daer (Daerhead)	2.73		2.6
Daer (New Kirkhope)	2.80		2.7
Elvenfoot (Peden Reservoir)	3.02		3.6
<i>Inverness-shire</i>			
Loch Quoich (Cruadhach)	2.58		1.3

Apart from a quieter period in the middle of *November*, 14th–20th, the same general weather type continued and conditions were particularly unsettled from the 22nd onwards.

November 26

<i>Devonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Chagford (Metherall)	2.67		3.5

November 27

<i>Cumberland</i>			
Thirlmere (The Nook)	2.65		2.0
Thirlmere (Dale Head Hall)	3.25		2.7

<i>Cumberland—continued</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wet Sleddale (Mirethwaite)	2.53		2.0
Hawes Water (Burn Banks)	2.96		3.1

<i>Westmorland</i>			
Patterdale Hall	2.78		2.2
Martindale (Howtown)	3.26		3.8

November 30

<i>Cumberland</i>			
Borrowdale (The Moraine)	2.55		—
<i>Westmorland</i>			
Wet Sleddale (Mirethwaite)	2.75		2.2
Hawes Water (Burn Banks)	3.00		3.1
Great Langdale (Long House)	2.50		1.7

During early *December* the unsettled weather continued and at Wet Sleddale there was a fall of 6.32 inches for 1st–2nd, bringing the three-day total to 9.07 inches. But after the first few days of the month there was a gradual change to more settled conditions in the southern half of Britain whilst frequent rain, with some heavy falls, continued in the western mountains in the north. Of the successive daily falls of 6.02 and 4.35 inches recorded at Loch Quoich (Cruadhach) on 17th–18th, 10.10 inches fell within 22½ hours beginning at 1700 on the 17th.

December 1

<i>Lancashire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Coniston (Holywath)	3.39		2.4
Near Sawrey (Ferry House)	2.70		3.0
Hawkeshead (Wraymires Fisheries) ..	2.60		2.7
High Wray (Huyton Hill School) ...	2.59		2.5
<i>Yorkshire</i>			
Sedburgh (Brigg Flats)	3.00		3.6
Sedburgh School	2.62		3.4
Slaidburn (Langden Brook)	2.50		2.3
Ribblehead	3.24		3.0

<i>Cumberland</i>			
Thirlmere (The Nook)	3.01		2.2
Borrowdale (The Moraine)	3.35		—
Watendlath Farm	3.40		2.7
Thirlmere (Dale Head Hall)	2.65		2.2

<i>Westmorland</i>			
Patterdale Hall	3.24		2.6
Windermere (Nurseries)	2.50		2.6
Windermere (Holehird)	2.64		2.7
Windermere (Brockhole)	2.58		2.5
Windermere (Briery Close)	2.76		2.8
Ambleside	2.97		2.8

<i>Westmorland—continued</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rydal (The Hall)	3.45		2.9
Great Langdale (Long House)	3.97		2.7
Grasmere (Meadow Brow)	3.56		2.9
Levens (Beathwaite)	2.68		3.7
Levens (Bridge End)	2.52		3.7
Kendal School	2.73		3.7
Kendal (Fisher Tarn Reservoir)	2.71		3.5
Kendal (Ellergreen)	2.59		3.0

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	3.70		2.1
Snowdon (Cwm Dyli, Old Road) ...	3.40		2.0
Snowdon (Llydaw Intake)	3.40		1.8

December 2

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rhondda W.W. (Llyn Fawr Reservoir)	2.60		1.9
Rhondda (Lluest Wen Filter)	2.76		2.2
Rhondda (Lluest Wen Reservoir) ...	2.98		2.3

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Swansea W.W. (Cray Reservoir) ...	2.64		2.4

<i>Montgomeryshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Corris (Ceinws Camp)	2.91		2.7
Llangurig (Manod)	2.56		2.1

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Oakeley Qu.) ...	2.94		2.0
Blaenau Festiniog (Llechwedd Qu.)..	2.63		1.9

December 3

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	2.78		1.4

December 17

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	6.02		3.1
Loch Quoich (Glenquoich)	2.75		2.2

<i>Ross and Cromarty</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Kinlochewe (Anancaun)	2.75		3.0
Glenshiel (Kyle)	2.58		1.7

December 18

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	4.35		2.2

December 21

<i>Sutherland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Glen Cassley (Duchally)	2.50		2.8

December 22

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Oakeley Qu.)....	2.90		1.9
Blaenau Festiniog (Llechwedd Qu.) .	2.53		1.8

December 27

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Cruadhach)	5.01		2.6

8 Monthly Rainfall in 1954

Information on the rainfall of the months of 1954 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1954.

(3) In Table 8c the monthly and annual totals of rainfall are set out for 334 stations,

distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 of the stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8c. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

Table 8A. General Rainfall for 1954, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..	..	2.3	4.2	4.3	2.6	5.0	3.1
February	..	..	..	3.1	5.3	5.3	3.4	4.1	4.4
March	..	..	..	2.9	4.5	4.0	3.1	3.6	3.6
April	..	..	..	.5	1.4	.6	.6	2.0	.9
May	..	..	..	2.9	3.7	3.1	3.0	4.8	4.4
June	..	..	..	3.2	5.3	2.3	3.5	4.1	3.1
July	..	..	..	3.3	4.9	3.7	3.5	4.0	4.4
August	..	..	..	4.5	5.0	4.9	4.6	4.7	3.1
September	..	..	..	3.1	5.9	6.2	3.5	6.3	4.8
October	..	..	..	4.1	10.1	9.2	4.8	9.4	6.9
November	..	..	..	6.0	10.5	7.5	6.6	7.9	5.7
December	..	..	..	3.2	5.4	7.3	3.5	8.1	5.2
Year	..	..	..	39.1	66.2	58.4	42.7	64.0	49.6

Table 8B. General Monthly and Annual Averages of Rainfall 1881-1915

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..	..	2·69	4·72	3·40	2·99	4·90	3·33
February	..	..	..	2·34	3·94	3·25	2·57	4·18	2·98
March	..	..	..	2·47	3·82	3·03	2·67	4·05	3·05
April	..	..	..	1·98	2·96	2·47	2·12	2·99	2·58
May	..	..	..	2·19	2·95	2·82	2·30	3·01	2·70
June	..	..	..	2·33	3·05	2·54	2·44	2·83	2·86
July	..	..	..	2·75	3·60	3·22	2·87	3·78	3·41
August	..	..	..	3·11	4·71	4·01	3·35	4·51	4·16
September	..	..	..	2·37	3·51	3·22	2·54	4·00	3·01
October	..	..	..	3·69	5·63	4·64	3·97	4·90	3·61
November	..	..	..	3·19	5·25	4·73	3·49	5·29	3·81
December	..	..	..	3·56	6·00	4·97	3·92	5·88	4·16
Year	..	..	..	32·67	50·14	42·30	35·23	50·32	39·66

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month has been prepared on the scale of 16 miles to the inch, based on the values from some 2,500 stations. Copies of these maps on a reduced scale have been included in the corresponding numbers of the Monthly Weather Report.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V), are given for comparison with the values for 1954 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

General Monthly Rainfall

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881-1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table. The wettest month of the year was November over England and Wales and October over the Isle of Man, Scotland and Northern Ireland. The driest month was April in each division of the country.

The first 4 months of 1954 gave less than average. Subsequently the rainfall exceeded the average for 7 consecutive months over England and Wales and 8 over Scotland. This long sequence of wet months is one of the outstanding features of the rainfall of 1954.

The rainfall of the 7 months May to November, 1954, amounted to 29·5 inches, or 8·5 inches more than the average, over England and Wales, while over Scotland the total was 41·2 inches, or 12·9 inches more than the average. From estimates of the general rainfall over England and Wales, and over Scotland since 1869 it would appear that only in 1903 and 1872 was it wetter over England and Wales during the same period, while there were no wetter similar periods over Scotland, the next wettest being May to November 1938 with 40·8 inches.

Examination of the data available since 1869 shows that in recent years, dry Decembers have predominated over England and Wales and that March has often been dry over Scotland. These features held good for 1954. Over England and Wales the rainfall of December has been less than average since 1926 in as many as 19 out of the 29 years, while over Scotland March has given less than average since 1915 in 32 out of 40 years.

Other outstanding features of the monthly totals of 1954 were: for England and Wales *April* ranked as the fourth driest April with 29 per cent, only those of 1938, 1912 and 1893 since 1869 being drier with 14, 15 and 18 per cent respectively; for Scotland *May* ranked as the fifth wettest May with 157 per cent, only those of 1925, 1924, 1920 and 1906 being wetter with 188, 158, 167 and 195 per cent respectively; for England and Wales *June*, although much wetter than the previous five Junes, gave less than many earlier Junes, the most recent wetter June being that of 1948 with 180 per cent; for Scotland *October* with 190 per cent ranked as the wettest October apart only from that of 1903 with 195 per cent; for England and Wales *November* gave 189 per cent, only exceeded in 1951, 1940 and 1929 with 206, 215 and 220 per cent respectively. It is striking that the four wettest Novembers are confined to the last 26 years in a series covering in all 86 years.

Extremes of Monthly Rainfall at Individual Stations

(a) *Monthly Totals.*—The largest monthly total reported in England was 43·00 inches in October at Sprinkling Tarn (Cumberland). In Wales, at Snowdon (L. Llydaw Copper Mine), 37·00 inches was reported in October. This was followed by 23·80 inches in November, making a total for the two months of 60·80 inches, which, so far as can be ascertained, is the largest total on record for these two months at this station. The previous largest amount for these two consecutive months at Llyn Llydaw since the record began in 1906 was 57·45 inches in 1929. The totals at the nearby station, Grib Goch, in 1954, were 34·90 in October and 26·40 in November, a total of 61·30 inches, but this was exceeded in October to November 1929 with 61·70 inches. The largest total for Scotland was 38·69 inches recorded in December at Loch Quoich (Cruadhach) and the largest for Northern Ireland 12·10 inches in October at Slieve Lamagan in the Mourne

Mountains. The total of 43·00 inches recorded in the Lake District in October is the largest monthly total reported anywhere in the United Kingdom since September 1950 when, at the same station, 44·25 inches was recorded, and, apart from that year, it is the largest monthly total since March 1938 when 50·03 inches fell at Loch Quoich (Loan). The Snowdon total for October, 37·00 inches, has been unequalled in that area since 1929 when 37·90 inches was recorded at Grib Goch for November. The Loch Quoich total of 38·69 inches was due to a large extent to the falls of 6·02 inches, 4·35 inches, and 5·01 inches on December 17, 18 and 27 respectively (see Section 7).

Less than ·03 inch occurred in April at a number of stations in South Devonshire, including reports of ·01 inch at Kenton (The Vicarage) and at Woodbury (Oakhayes), and ·02 inch at Exeter (Heavitree) and Weymouth. The smallest total for Wales was ·15 inch, this

being the amount recorded at both Abergavenny (Parc Llettis) and Monmouth (Cornwall House). April was also the month with the smallest totals in Scotland and Northern Ireland: .52 inch was reported at Cheviot Hill (Sourhope), Roxburghshire, and .33 inch at Downpatrick (Down High School) in County Down.

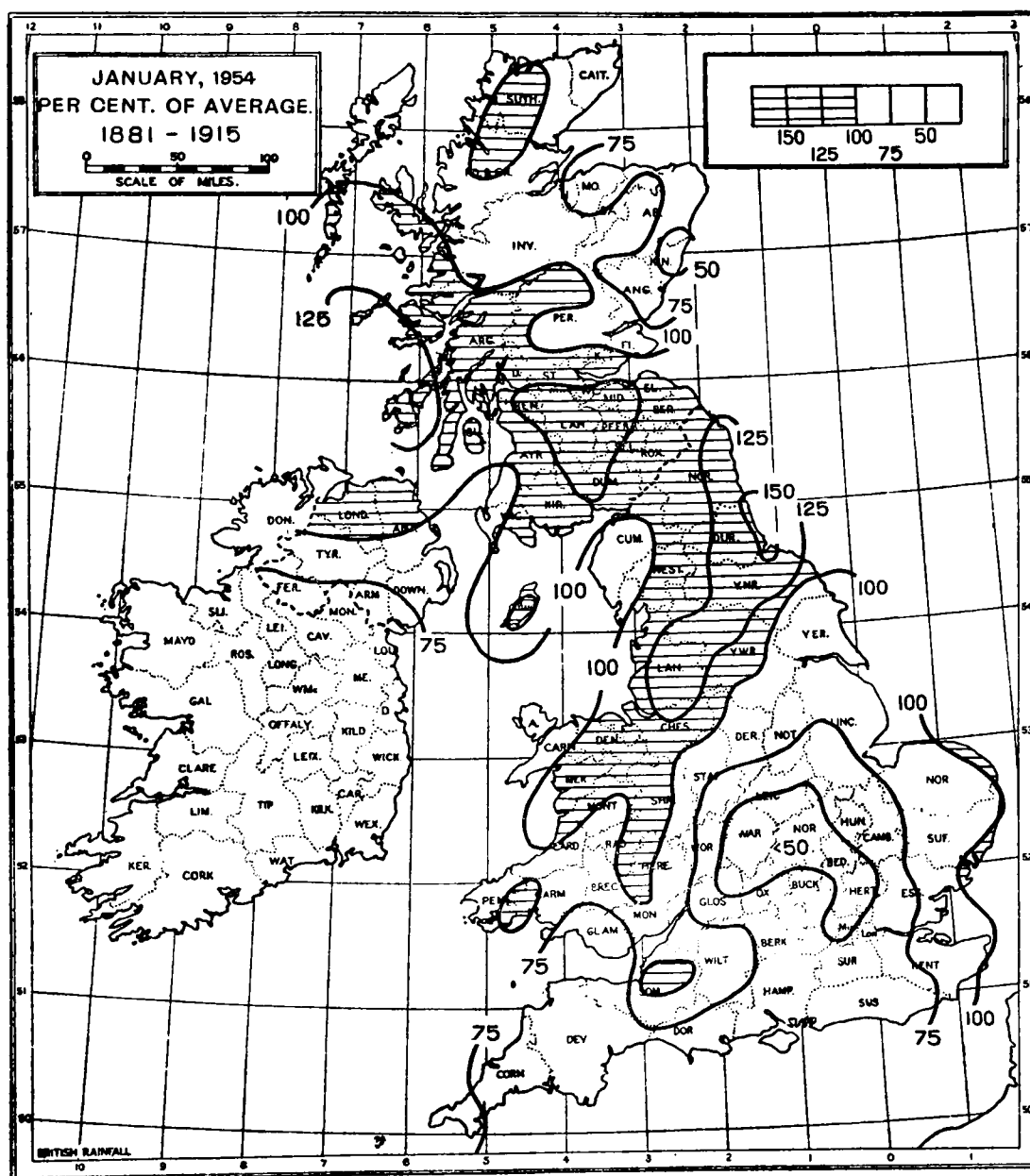
(b) *Monthly percentage values.*—Areas with more than three times the average appear on the percentage maps for October and November, and, in addition, more than 250 per cent occurred in May, June, August and September. Among the largest percentage values in Table 8D are 304 at Blaenau Festiniog (Oakeley Quarry) in October, 285 at York (Museum) in August, and 266 at Hamilton W.W. (Townhill),

Lanarkshire, in October. The large total of 31.09 inches recorded at Blaenau Festiniog in October included amounts of 3.95, 4.00 and 3.84 inches on the 4th, 14th and 23rd. The total of 7.18 inches recorded at York in August can be mainly attributed to the large daily falls during the week 15th to 21st, amounting to 4.46 inches, including 1.65 inch on the 15th. On the other hand, areas with less than 25 per cent of the average are shown only for April, while less than 50 per cent occurs also on the September and December maps. In April less than 10 per cent of the average occurred over an area stretching from the Wye Valley to the Devon-Dorset coast, the smallest values in Table 8D being 6 per cent at Abergavenny (Plâs Derwen) and 8 per cent at Taunton (Vivary Park).

The Rainfall and Weather of the Individual Months

In the following pages maps are given showing the distribution of the rainfall each month expressed in percentage of average, together with a short account of the weather. Further details are given

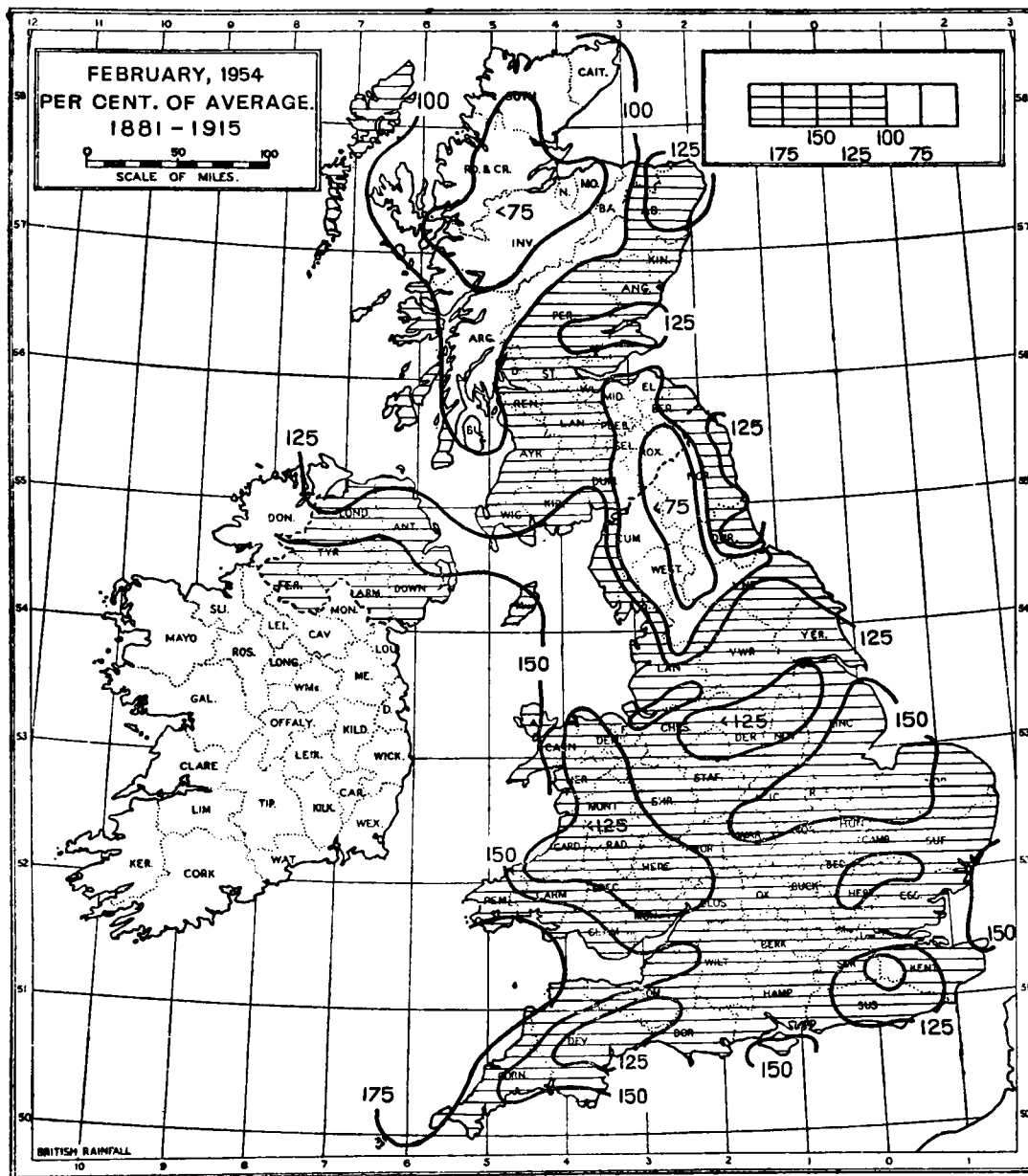
in the *Monthly Weather Report*, which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.



Rainfall, January 1954, as per cent of average

January. For the first ten days the general type of weather was northerly. Subsequently a mild unsettled westerly type prevailed until the 20th. With the advance of colder air over north-east districts of the British Isles there was heavy rain and some flooding in southern Scotland and northern England; amounts for the 20th exceeded 3 inches in Lancashire and Yorkshire (see Section 7). From the 23rd

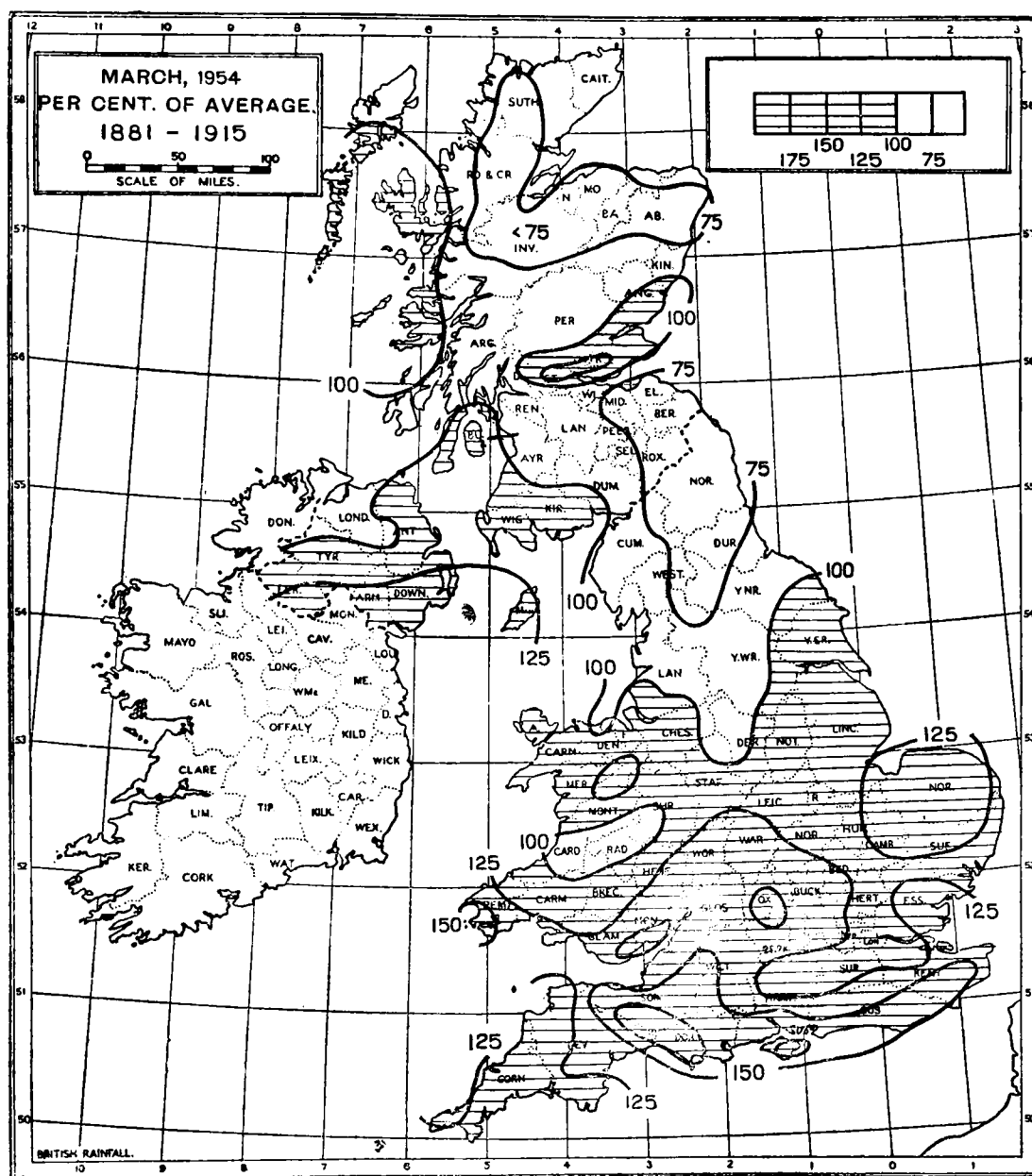
onwards cold weather with easterly and north-easterly winds prevailed, with temperatures continuously below 32° F. in parts of England and Wales from the 26th to 28th; there was heavy snow in western districts of Great Britain and much of southern England on the 25th-26th, with drifts as much as 6 feet in Denbighshire by the 28th.



Rainfall, February 1954, as per cent of average

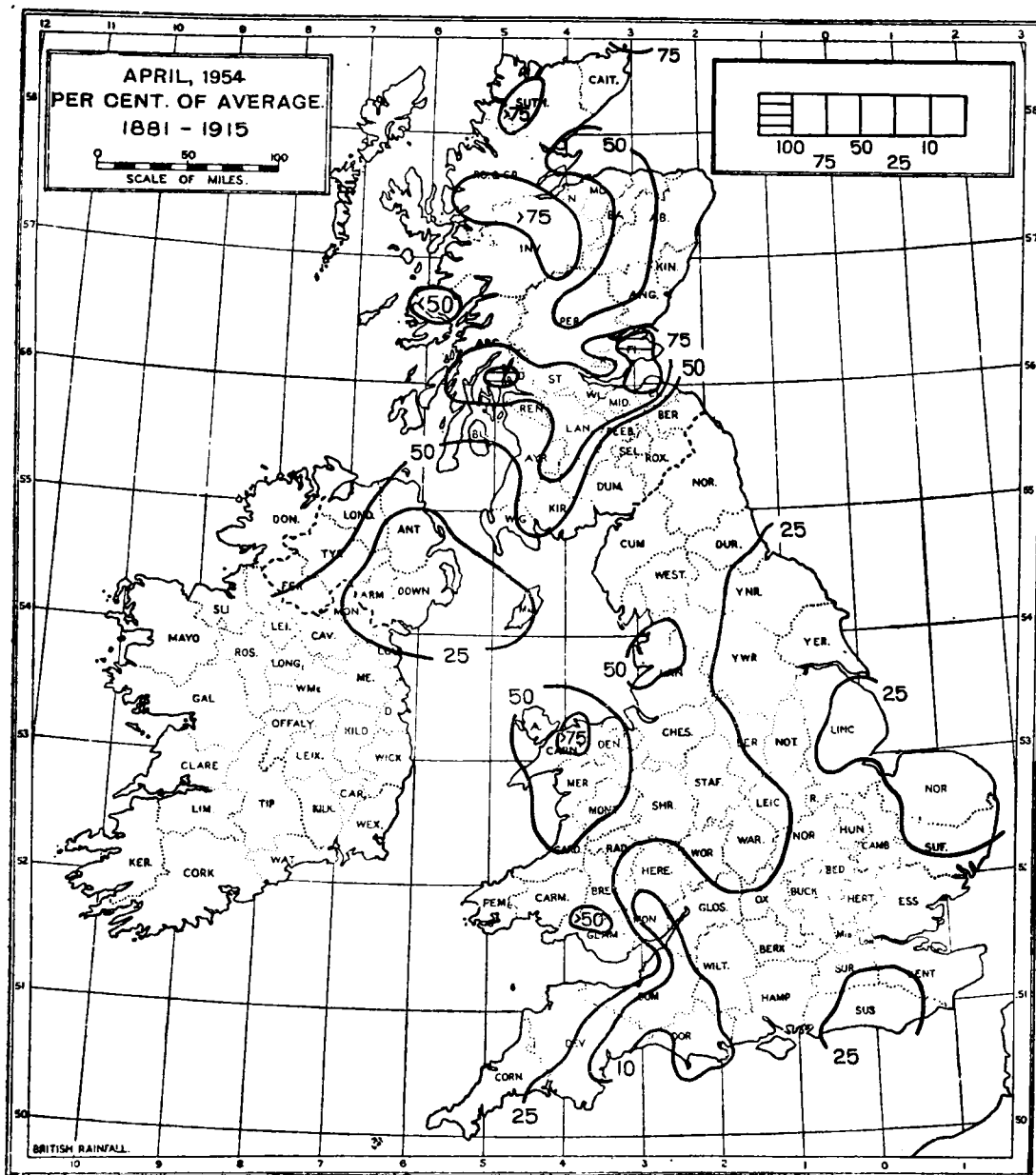
February. The very cold north-easterly winds experienced at the end of January persisted over England and Wales during the first four days of the month; at some places in the south temperatures remained at 32° F. or below continuously from the evening of January 29 to the morning of February 7. From the 6th to 7th onwards changeable, predominantly cyclonic conditions prevailed. There was rather frequent snow; at the

beginning of the month some villages in the south, notably in Kent, were isolated by drifts up to 6 feet; considerable snow fell in the north from the 7th to 10th and during the last few days over a wide area. Rainfall was less than 75 per cent between Fort William, Inverness and Loch Shin and over the northern Pennines, but more than 175 per cent in the south-west of England and Wales.



March. Unusually cold wintry conditions were followed about the 5th by a milder westerly type and about the 10th by mild southerlies. From the 13th to 18th there was a period of dull, cold easterlies and afterwards a south-westerly to westerly type predominated. Strong winds caused deep drifts including those of 5 feet at Alston on the 2nd and at Fairburn, Ross and Cromarty, on the 4th. The distribution on the percentage map

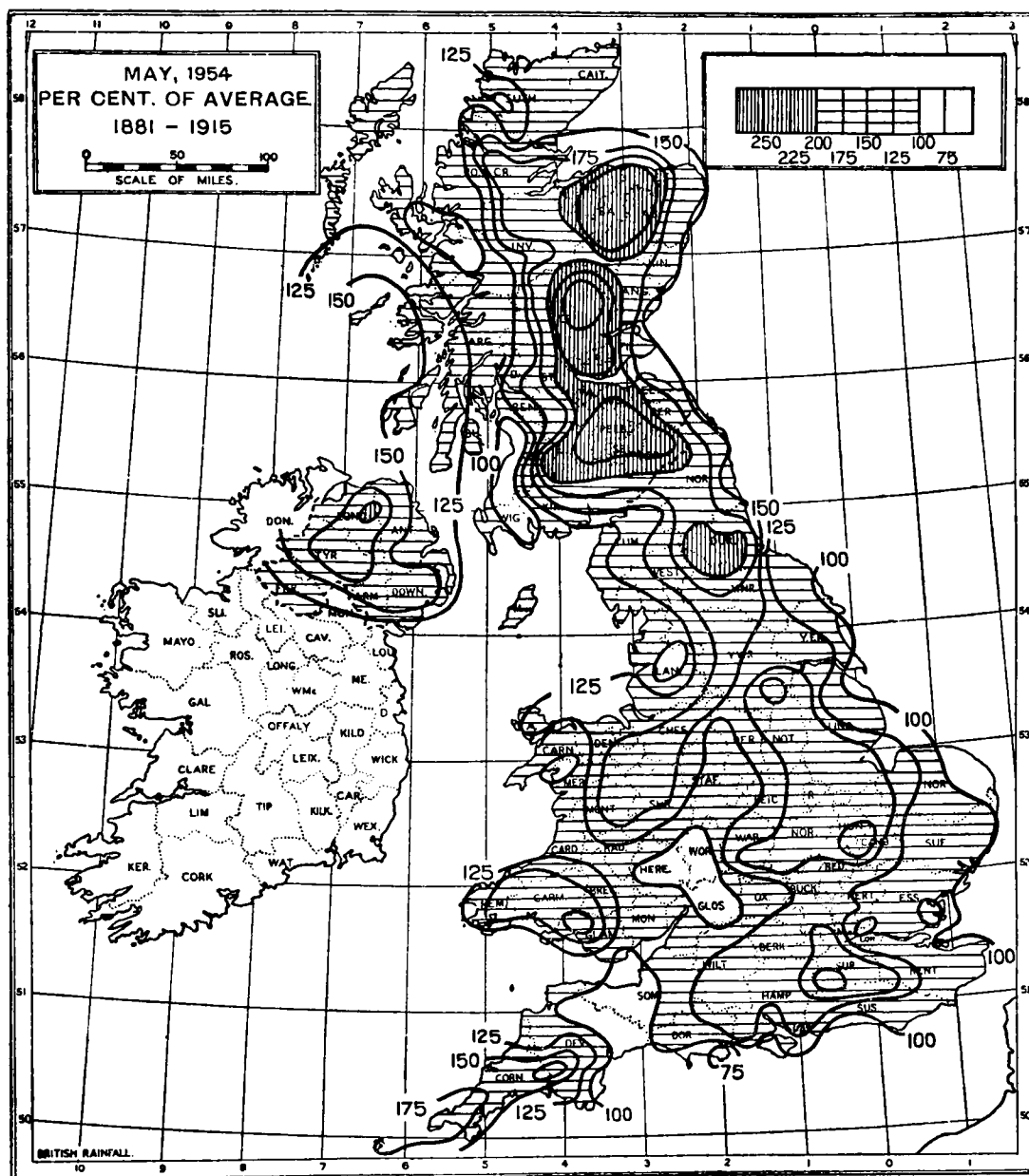
is fairly similar to that of February, with less than the average over much of northern England and Scotland. Heavy daily amounts were recorded on the 6th and 29th (see Section 7). The distribution of the rainfall in inches was fairly normal for March. There was less than 2 inches over much of the east of Great Britain, but more than 10 inches in Snowdonia, the English Lake District and locally in the Western Highlands of Scotland.



Rainfall, April 1954, as per cent of average

April was mainly dry and sunny, and, in most localities, the sunniest month of the year. A changeable, westerly type of weather prevailed for the first five days but afterwards conditions were mainly anticyclonic. Absolute droughts were widespread during the 23 days from the 7th to 29th (See Section 3). Totals exceeding the average were confined to a small area around St. Andrews and North Berwick, while there was less than one quarter

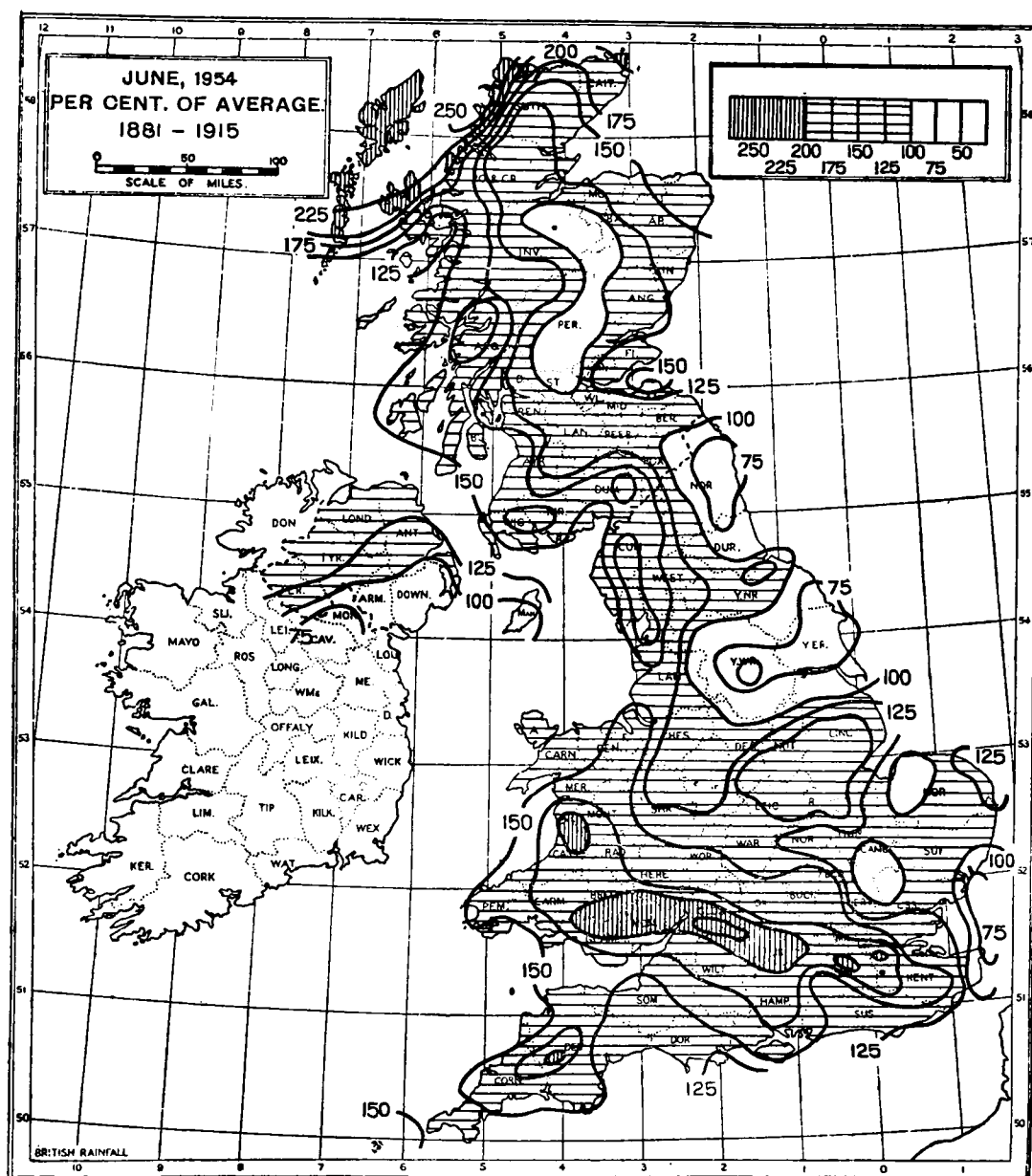
of the average over most of the south-east half of England and Wales and in Northern Ireland, with less than 10 per cent from Monmouth to Dorset. Most stations in the east, south and Midlands of England reported less than half an inch, and considerable areas experienced less than .25 inch, Exeter reporting only .02 inch. Totals exceeding 4 inches were confined mainly to the Western Highlands of Scotland.



Rainfall, May 1954, as per cent of average

May was cool and unsettled during the first six days. A short warm spell followed, but was succeeded about the 14th by a cool, mainly northerly type, which lasted until the 23rd, when there was a return to cyclonic conditions. Most of the country received more than the average rainfall and more than 200 per cent was recorded from Banffshire to Dumfriesshire and in County Durham. Thunderstorm rains occurred frequently (see Section 6) and

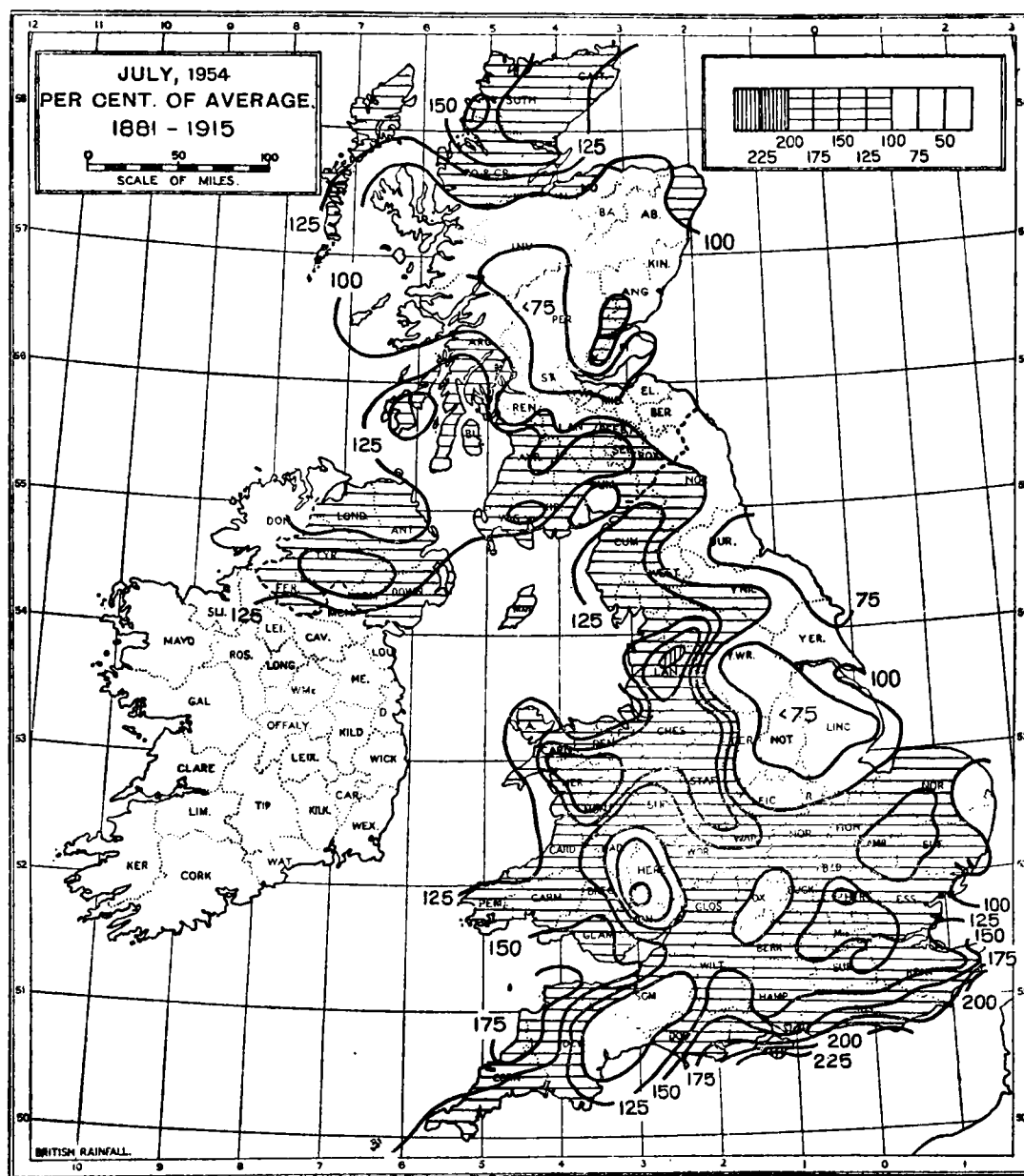
large daily amounts were recorded in South Wales on the 24th (see Section 7). At Gordon Castle the total of 5·08 inches has been exceeded in May since 1860 only in 1894 with 5·20 inches. The rainfall was less than 2 inches along the south and east coasts of England, but exceeded 6 inches over Dartmoor, in parts of Wales, the north of England and over much of Scotland.



Rainfall, June 1954, as per cent of average

June was mainly dull and cool, ranking as the dullest June over England and Wales since that of 1909. Following a brief dry anticyclonic period, depressions from the Atlantic brought frequent and widespread rain, especially to the south from the 5th to 13th and to the north from the 14th to 24th. Later, cool northerly winds spread to all districts. The mean number of rain-days over England and Wales

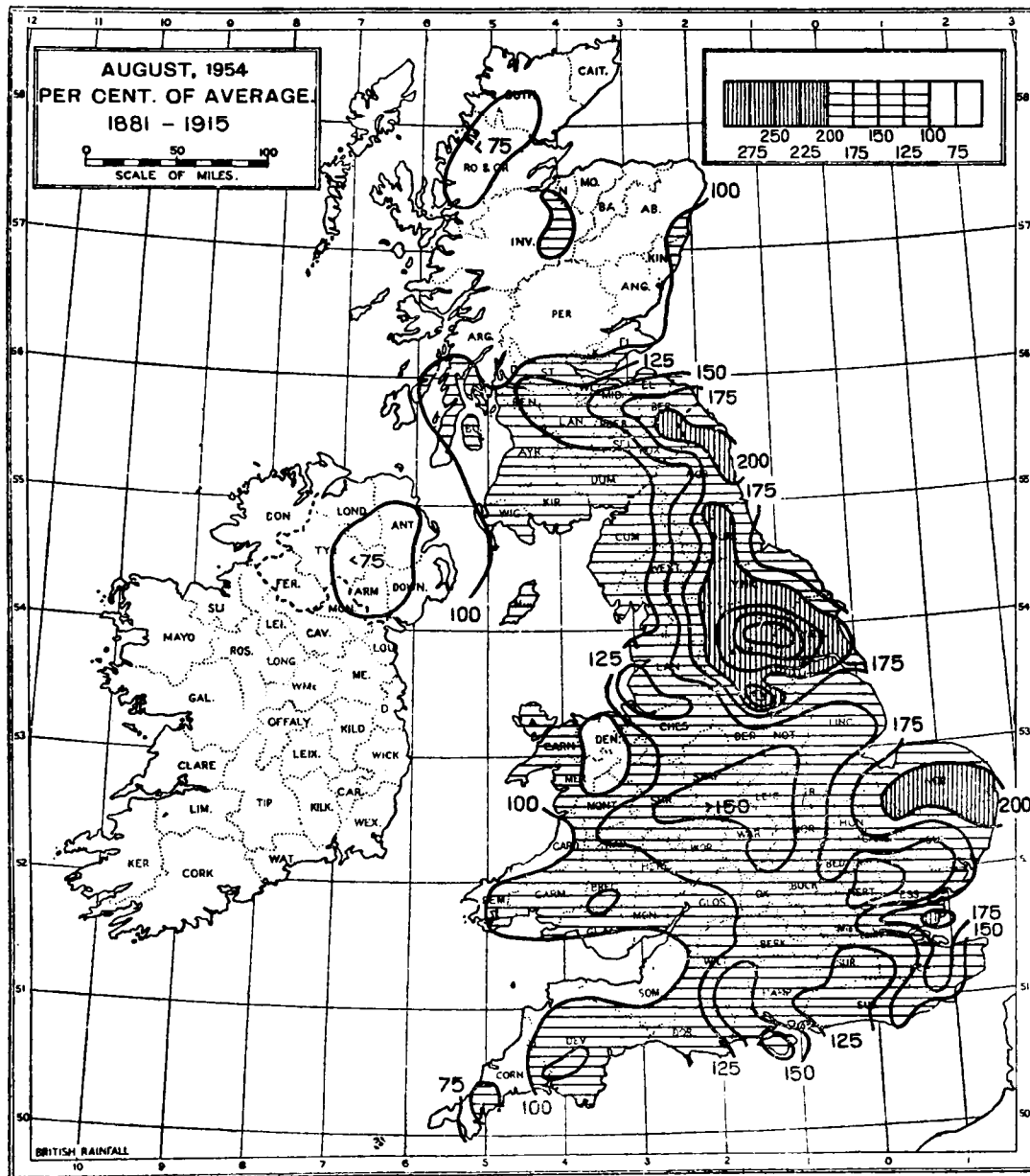
was 16, or 3 more than average (see Section 2), and heavy falls occurred on the 5th and 15th (see Section 7). The total rainfall was less than average over central Scotland, in the south of Northern Ireland and over large areas in the east of England, including the southern Pennines. Twice the average was recorded from South Wales to Berkshire as well as in the north-west of Scotland.



Rainfall, July 1954, as per cent of average

July. The month was notably cool and dull. Throughout the month an anticyclone was situated near the Azores but at no time did it spread over the British Isles sufficiently to establish fine, warm weather; on almost every day some part of the country was under the influence of a low-pressure system. Rain occurred frequently, the mean number of days over England and Wales was 18, 4 more than average (see Section 2). There were scattered

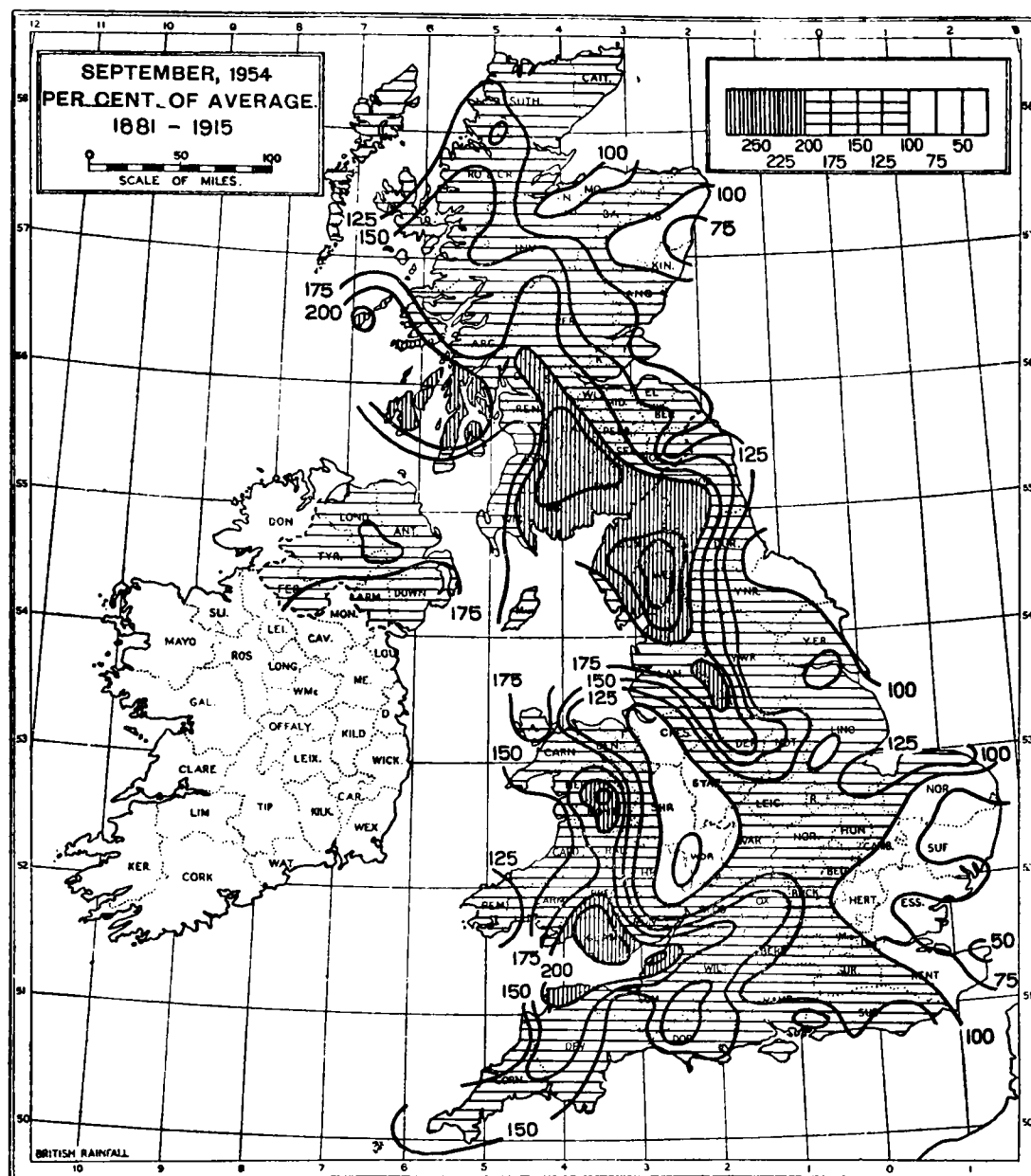
thunderstorms, mostly in eastern districts during the first week, periods of heavy falls mainly in the second half of the month, and daily totals of more than two inches on four separate days 16th, 23rd, 25th and 27th (see Section 7). The total rainfall was less than average in eastern districts and over central Scotland, but exceeded the average in many western districts.



Rainfall, August 1954, as per cent of average

August. Conditions, generally, were again dominated by frequent and active depressions. Temperatures were again lower than average, and sunshine was deficient in most areas. Thunderstorms occurred frequently, and were severe at times. Daily falls of more than two inches were reported on seven different days, mainly in the second half of the month (see Section 7). The type of distribution on the

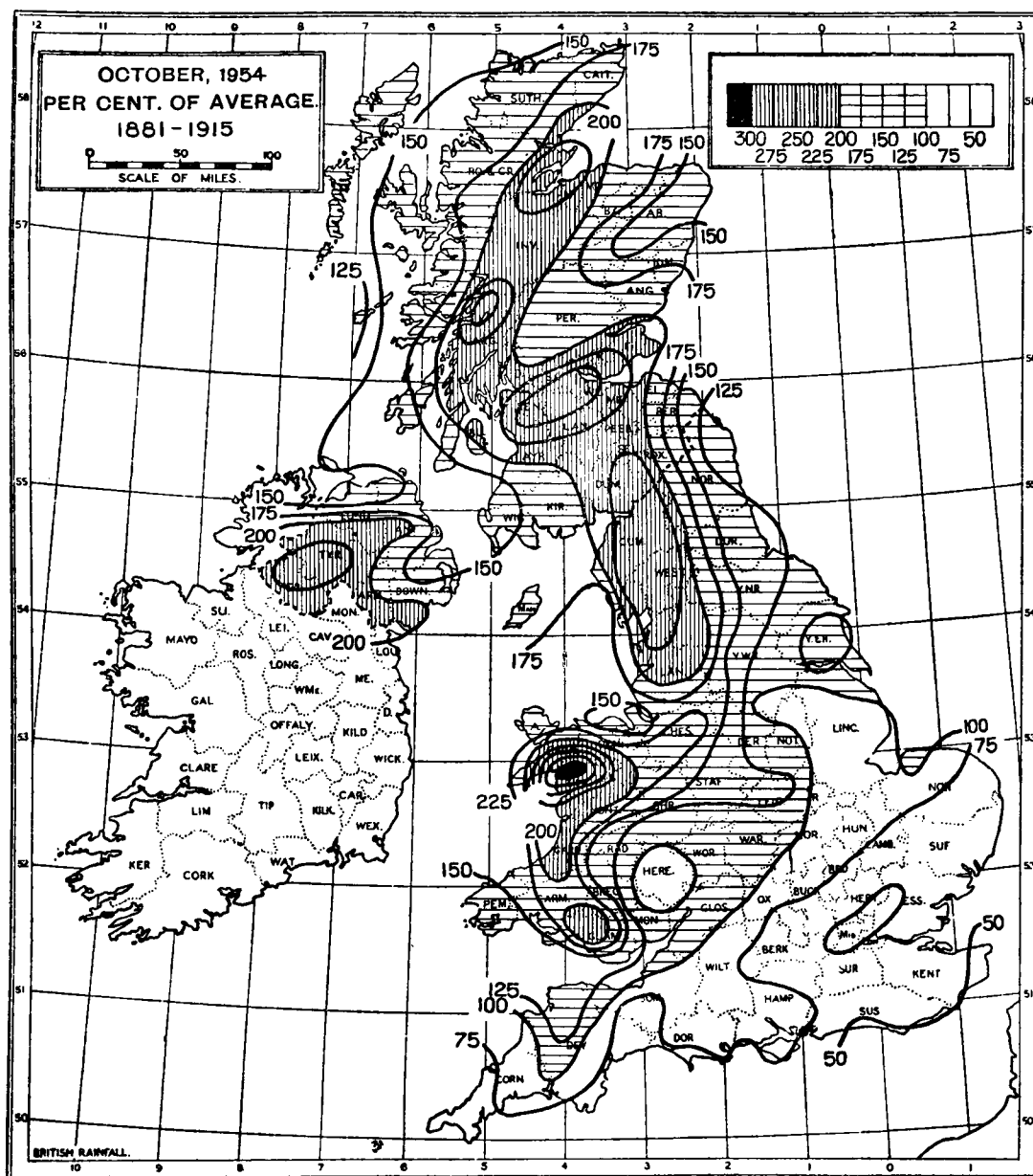
percentage map was different from that of either June or July in that August gave less than average mainly in the west, but twice the average in the east between the Cheviots and Norfolk. Parts of central Scotland, however, recorded less than average in all three months. The rainfall in inches varied from less than two inches around the Moray Firth to more than 20 inches on Snowdon.



Rainfall, September 1954, as per cent of average

September. The unsettled weather of the preceding four months continued during September, and almost every day many districts were affected by cyclonic systems from the Atlantic, winds from a westerly point predominating. In contrast to the preceding four months the sunshine exceeded the average. Snow or sleet showers fell locally in Scotland during the second half of the month and snow

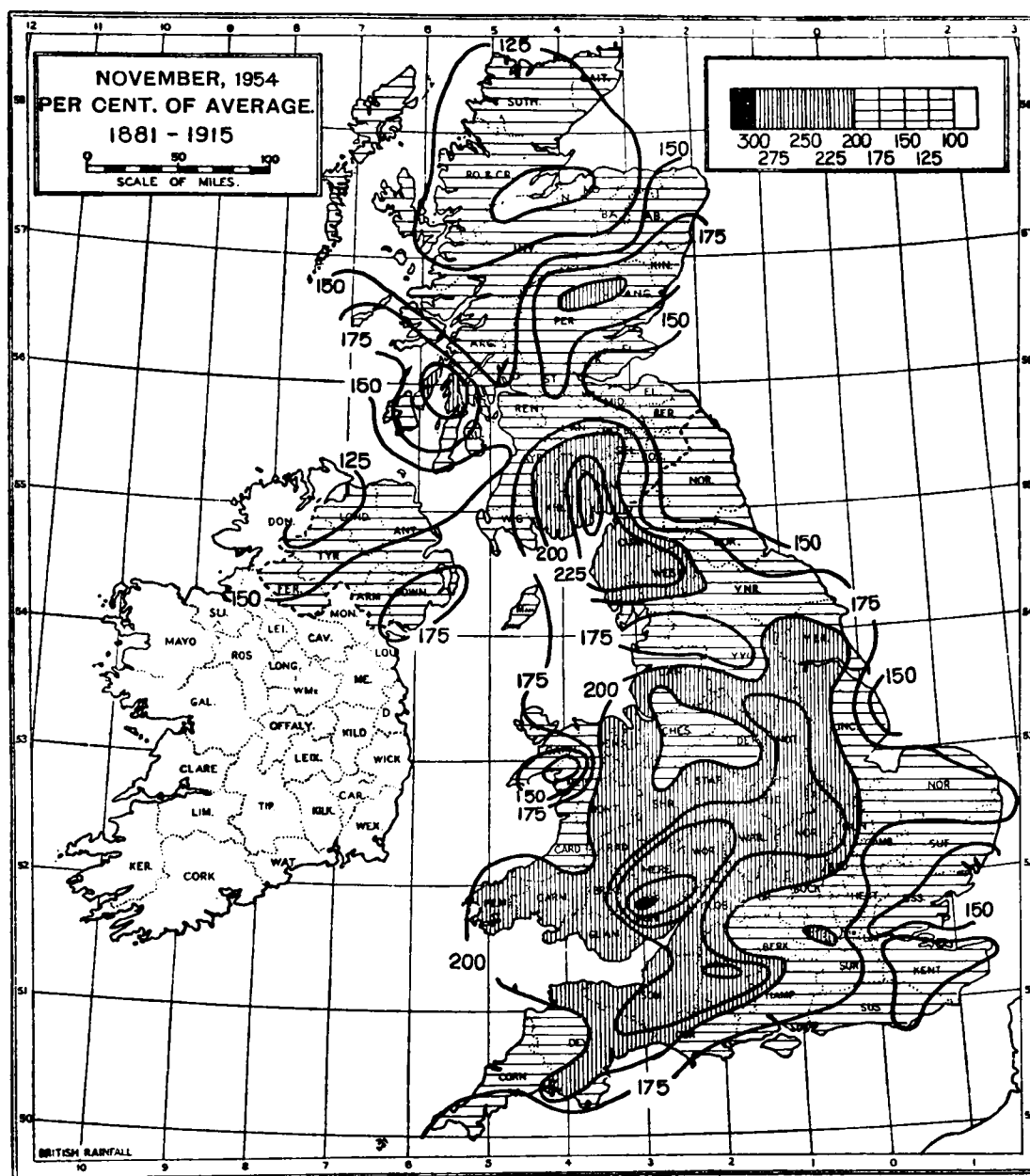
lay for several days on some high peaks. The total rainfall exceeded twice the average in many parts of the west of Great Britain, Cardiff reporting the wettest September since that of 1935 and Islay the third highest amount for September in the series there since 1866. There was a wide range in the totals, from less than one inch around Shoeburyness to 30 inches in the English Lake District.



Rainfall, October 1954, as per cent of average

October. Generally mild and unsettled weather continued, south-westerly winds predominating. Rainfall amounts exceeded 3 inches on a number of days during the month (see Section 7) and the persistent rain resulted in severe floods in parts of the north-west of England, North Wales and Southern Scotland. A landslide occurred on the Holyhead road in the Nant Ffrancon Pass on the 23rd. Snow

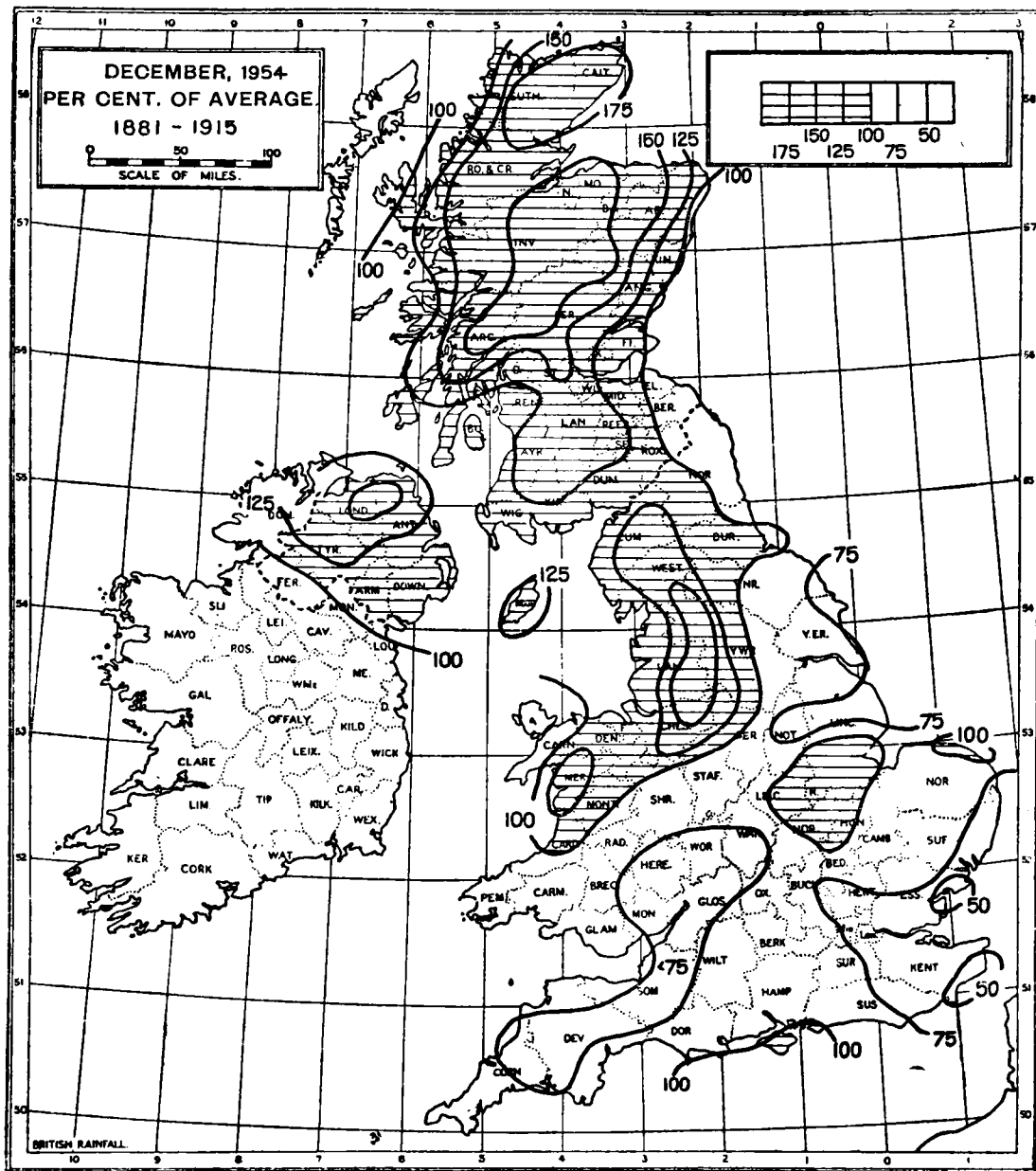
lay on Ben Nevis throughout the month and on some Scottish hills, above 2,500 feet, from the 21st onwards. The map of the rainfall in inches shows an unusually large part of the mountainous districts of the west with more than 10 inches. More than 30 inches was recorded in Snowdonia, the English Lake District and to the west of Loch Quich.



Rainfall, November 1954, as per cent of average

November. Apart from a period of anti-cyclonic weather from the 14th to 20th, conditions were mainly unsettled. During the last ten days intense depressions from the Atlantic gave widespread gales and frequent rain, resulting in extensive flooding. The rainfall of the last ten days exceeded 10 inches in many mountainous districts of the west of England and Wales. The gale on the 11th-12th was very severe in the north of Scotland and the

resulting high tides in the North Sea caused serious flooding at Hull. Snow lay a few inches deep on high ground in Scotland on the 24th. Only a few stations reported totals of less than 2 inches and these were mainly confined to the neighbourhood of the Moray Firth. As in October, large areas in the mountainous districts of the west received more than 10 inches.



Rainfall, December 1954, as per cent of average

December. Mild stormy weather continued, but the last two weeks were mainly dry in southern England. At Ribbleshead, to the north of Settle, 5·41 inches was recorded for the 1st and 2nd, while at Cruadhach, to the west of Loch Quoich in Inverness-shire 10·10 inches fell in 22½ hours on the 17th to 18th (see Section 7). Widespread flooding continued in many parts of the country. Snow fell on a

number of days, north-west of a line from Bristol Channel to the Wash, especially in Scotland where there were heavy falls which blocked some roads for several days. Totals were less than one inch in the east of Essex, but exceeded 10 inches in mountainous regions of the west from Exmoor to the north of Scotland, including parts of the Pennines, and 30 inches to the west of Loch Quoich, in Inverness-shire.

Table 8c. Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1954
ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
London.....2	St. Pancras (Camden Square)	in. 1.04	in. 2.22	in. 2.15	in. .29	in. 1.64	in. 3.42	in. 3.01	in. 3.41	in. 1.76	in. 2.19	in. 3.21	in. 1.57	in. 25.91
Surrey.....6	Shottermill (Sewage Works)	2.19	3.25	3.39	.32	3.28	3.90	2.81	3.40	3.75	3.22	6.96	3.43	39.90
".....6	Godalming (Borough Road P.S.)...	1.50	2.48	2.79	.36	2.65	3.60	2.77	2.49	2.27	2.26	5.94	3.31	32.42
".....6	Byfleet (Wisley R.H.S. Gardens) ...	1.15	2.33	2.31	.30	2.40	3.67	2.69	2.35	2.44	1.93	4.48	2.59	28.64
Kent.....1	Dover (Waterloo Crescent)	2.33	2.81	2.95	.22	1.67	1.91	4.39	3.37	1.51	1.58	4.91	1.39	29.04
".....2	Ashford.....	1.85	2.30	3.30	.34	2.05	3.19	3.71	3.52	2.32	2.08	5.10	1.68	31.44
".....4	Edenbridge (Falconhurst)	1.69	2.08	3.20	.52	2.99	3.94	2.85	3.15	2.59	2.47	5.73	2.12	33.33
".....4	East Malling (Research Station)....	1.64	2.25	2.40	.38	1.67	2.56	2.45	2.96	1.53	1.81	4.95	1.50	26.10
".....4	Strood (Waterworks)	1.44	1.79	2.24	.50	1.85	3.82	2.16	2.94	1.41	1.80	4.17	1.49	25.61
".....5	Bromley.....	1.34	2.04	1.91	.51	1.80	4.13	2.73	3.11	1.70	1.67	4.92	1.58	23.44
Sussex.....1	Bognor Regis (Waterloo Square) ...	1.77	2.75	3.01	.27	2.79	3.05	3.66	2.63	2.48	2.29	5.96	2.59	33.25
".....1	Compton (Compton House)	2.20	3.87	4.11	.38	3.05	3.82	4.13	3.31	4.30	3.62	6.66	3.88	43.33
".....2	Horsham (Sewage Disposal Works) ..	1.47	2.50	3.38	.26	1.82	4.25	2.74	2.72	2.22	2.69	6.60	2.59	33.24
".....3	Worthing (Beach House Park)	1.26	2.34	3.36	.42	1.60	2.45	4.06	2.73	2.51	1.73	5.18	2.64	30.28
".....5	Hailsham (Magham Down)	1.45	2.39	3.40	.45	1.57	2.28	3.62	3.45	2.91	2.63	5.92	1.97	32.04
Hampshire.....1	St. Catherine's Point Lighthouse ...	1.43	3.37	3.73	.26	1.70	2.79	3.44	2.48	3.10	2.83	5.90	3.54	34.57
".....4	Everton (Efford)	1.64	2.99	3.82	.19	2.18	2.79	3.40	3.62	2.34	2.69	5.07	2.67	33.40
".....4	Southampton (East Park)	1.45	3.19	3.28	.24	2.08	3.54	2.60	3.78	3.06	3.20	5.49	2.92	34.83
".....5	Portsmouth (Southsea Common) ...	2.16	2.48	3.18	.31	2.31	2.74	3.01	3.10	2.39	2.15	5.48	3.42	32.73
".....5	Winchester (Recreation Ground) ...	2.47	3.59	3.49	.45	1.69	3.46	3.13	3.63	3.13	3.44	6.28	3.28	38.04
".....8	South Farnborough (R.A.E.)	1.43	2.77	2.35	.25	3.17	2.87	2.32	3.04	2.17	2.12	4.75	2.49	29.73
Berkshire.....4	Shinfield (Univ. Hort. Farm)	1.12	2.31	2.15	.26	1.98	4.26	2.39	3.06	1.86	1.79	4.54	2.50	28.22
".....5	Didcot (Sewage Works)	1.35	2.15	2.09	.30	2.08	3.59	2.18	3.10	1.53	1.65	4.93	2.45	27.40
Hertfordshire.....2	Harpenden (Rothamsted)	1.11	2.25	2.51	.27	2.33	3.53	3.47	3.55	1.77	1.90	5.13	1.96	29.78
".....4	Royston (Earls Hill House)	.84	2.02	2.25	.23	2.68	2.07	2.90	3.12	1.41	2.00	4.03	1.96	25.51
Buckinghamshire...2	Princes Risborough (Research Lab.)	1.05	2.25	2.40	.35	4.58	3.65	2.12	3.59	1.71	2.20	5.69	2.94	32.53
".....3	Slough (Upton)	.87	2.24	2.21	.36	2.78	4.04	2.69	3.01	2.03	2.52	4.44	2.01	29.20
".....3	Penn (Rayners)	1.17	2.41	3.05	.43	3.77	4.19	3.33	3.51	2.40	2.39	5.46	3.03	35.14
".....5	Oving House	.99	2.13	2.84	.35	3.14	4.34	2.22	3.21	2.42	1.93	4.22	2.41	30.20
Oxfordshire.....3	Oxford (Radcliffe Met. Station)	1.29	2.34	2.54	.39	2.09	3.63	2.18	3.16	2.60	2.15	4.41	2.02	28.80
".....3	North Newington (Orchard House)	1.05	2.87	2.28	.42	2.26	2.41	2.34	3.57	3.15	2.77	5.27	2.36	30.75
Northamptonshire 4	Norton Junction	1.03	2.45	2.65	.48	2.74	2.82	3.00	4.25	2.57	2.66	5.03	2.48	32.16
".....4	Wellington (Swanspool)	.93	2.03	2.20	.22	2.98	2.60	2.76	3.48	2.18	2.05	5.05	2.59	29.07
Huntingdonshire..1	St. Ives (Tenterleas)	.94	1.74	2.52	.18	2.72	2.76	2.43	4.68	1.42	1.66	3.44	1.96	26.45
".....1	Whittlesea Mere	.67	1.87	2.08	.27	3.52	2.42	1.94	4.83	1.93	2.56	3.72	2.12	27.93
Bedfordshire.....3	Woburn (Experimental Farm)	.91	2.22	2.38	.23	2.62	3.04	2.47	3.50	1.99	2.28	4.17	2.24	28.05
".....3	Sandy (Moggerhanger Park)	.87	1.27	2.08	.34	2.80	2.91	2.52	3.94	1.69	1.98	3.76	2.08	26.24
Cambridgeshire...2	Cambridge (Botanic Gardens)	.93	1.76	1.97	.28	3.49	1.74	2.71	3.64	1.74	1.71	3.15	1.81	24.93

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division		Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cambridgeshire	2	Littleport (Highfield House)	.95	1.95	2.36	.33	2.33	1.57	2.89	4.80	1.65	1.87	3.38	1.85	25.93
"	2	March	1.09	2.12	2.31	.17	2.65	1.76	2.76	4.65	1.80	2.05	4.04	1.97	27.37
Essex	1	Hatfield Broad Oak (Barrington)	1.09	2.16	2.29	.30	1.85	1.92	2.79	2.90	1.35	2.36	3.61	1.88	24.50
"	2	Southend (Waterworks)	1.00	1.71	1.93	.30	1.75	2.58	2.42	2.76	.94	1.44	3.05	.85	20.73
"	2	North Weald (Canes)	1.06	2.39	2.58	.10	1.52	2.42	2.53	3.25	1.75	2.08	3.77	1.79	25.24
"	4	Bradwell-on-Sea (Bellropes)	1.55	1.85	2.08	.25	1.45	3.10	2.50	2.98	.94	1.62	3.31	.81	22.44
"	4	Maldon	1.20	1.86	2.20	.25	1.80	2.25	2.09	2.67	1.86	1.65	3.17	.59	21.59
"	5	Halstead (The Brewery)	1.65	1.93	1.96	.24	1.84	2.31	3.14	2.93	1.47	1.72	3.44	1.84	24.47
Suffolk	2	Ipswich (Belstead Hall)	1.33	2.14	2.46	.32	1.54	2.70	2.75	3.21	1.12	1.78	3.63	1.95	24.93
"	3	Felixstowe	1.74	2.12	1.67	.30	1.40	1.38	2.20	3.29	1.39	1.25	2.67	1.52	20.93
"	4	Lowestoft (Secondary School)	1.55	1.81	1.99	.37	1.61	2.13	1.75	4.88	1.29	1.59	4.28	1.54	24.79
"	5	Bury St. Edmunds (Westley Hall)	1.52	2.01	2.39	.41	2.23	2.22	3.32	4.37	1.46	1.91	3.91	2.25	28.00
Norfolk	2	Sproston	1.51	2.16	2.35	.60	1.70	2.05	2.61	5.06	1.57	2.29	4.44	1.83	28.17
"	2	Aylsham (The Mount)	2.00	2.46	2.41	.46	1.83	2.21	3.21	4.21	2.11	2.25	4.06	2.09	29.30
"	3	Sandringham House Gardens	1.93	2.68	2.67	.43	2.43	2.10	2.98	4.97	2.63	3.22	4.60	2.16	32.80
"	3	Cromer (Howards Hill)	2.35	2.06	2.30	.56	1.47	2.36	2.62	4.47	2.47	2.60	3.87	2.69	29.82
"	3	Wells (Outfall Sewage Works)	1.96	2.57	2.29	.36	1.63	2.64	2.92	3.61	2.10	2.46	3.83	1.87	28.24
"	3	Thetford (Waterworks)	1.46	2.02	2.45	.27	2.27	1.51	2.91	5.82	1.60	1.92	3.61	1.91	27.75
"	4	Swaffham (Saham Toney)	1.90	2.85	2.52	.37	2.17	3.03	3.41	5.55	2.15	2.60	4.08	1.54	32.17
Wiltshire	3	Fonthill House Gardens	2.67	3.54	4.24	.33	3.64	3.88	2.99	3.19	3.31	4.02	8.05	3.81	43.67
"	3	Porton (C.D.E.E.)	1.79	2.70	2.54	.20	2.26	3.35	2.57	3.57	2.22	2.45	6.51	3.02	33.18
"	3	Larkhill (School of Artillery)	1.44	2.75	2.64	.16	2.08	3.57	2.50	3.50	2.95	2.17	6.36	2.79	32.91
"	5	Aldbourne (Manor House)	2.08	3.02	3.20	.40	2.52	5.52	2.28	3.35	3.35	2.77	5.99	3.02	37.50
Dorset	3	Creech Grange	1.77	3.64	4.80	.19	1.31	2.59	4.43	3.47	4.20	4.03	6.45	3.77	40.65
"	3	Beaminster (East Street)	2.34	3.79	5.57	.32	2.24	2.94	2.61	3.55	4.86	3.74	8.25	3.63	43.84
"	4	Blandford (Bryanston)	2.15	3.30	4.94	.19	2.44	3.45	3.36	2.94	3.69	3.71	8.01	4.21	42.39
Devonshire, S.	2	Plymouth (Mount Batten)	1.67	4.62	3.35	.40	2.50	3.20	3.44	3.10	3.87	3.77	8.36	3.60	41.88
"	4	Ashburton (West Street)	2.31	5.04	5.74	.37	3.63	4.45	2.76	3.00	5.06	5.44	12.28	4.88	54.96
"	4	Princetown (H.M. Prison)	4.11	8.67	8.19	1.61	8.14	8.17	8.91	6.95	9.99	10.15	15.66	8.39	98.94
"	5	Teignmouth (Den Gardens)	1.63	3.08	3.74	.12	1.84	2.76	2.13	2.24	2.29	2.44	6.85	3.41	32.53
"	6	Crediton (Okefield)	1.89	2.96	2.53	.33	2.79	3.59	2.71	2.41	2.71	2.11	6.22	4.05	34.30
"	7	Sidmouth	1.67	3.32	3.26	.13	1.91	2.96	2.95	2.88	2.06	2.45	6.31	3.30	33.20
Devonshire, N.	1	Ilfracombe (Bowling Green)	2.39	4.84	3.30	.70	2.36	3.77	4.77	3.55	5.59	6.45	8.16	4.45	50.33
"	3	Torrington (Caynton House)	2.13	4.25	2.89	.43	2.94	3.19	4.30	2.82	4.29	4.81	7.32	3.82	43.19
Cornwall	1	Newquay (Mount Wise)	2.19	4.26	2.94	.58	2.82	3.17	3.49	2.37	3.64	2.57	6.61	3.38	38.02
"	1	Bodmin (Castle Hill House)	3.22	5.00	4.07	.96	4.67	5.25	4.63	2.70	5.36	4.18	9.63	4.51	54.18
"	1	Camelford (Stannon Clay Works)	4.30	6.25	4.64	1.58	4.65	4.85	7.94	5.72	6.54	6.20	9.89	5.62	68.18
"	1	Bude (School House)	2.25	4.10	2.50	.79	2.10	2.73	4.73	2.77	3.40	3.51	6.70	2.98	38.56

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Cornwall.....2	Penzance (Morrab Gardens).....	3·65	5·88	4·21	·84	4·04	3·22	3·86	1·74	4·91	3·28	7·74	4·70	48·07
".....2	Falmouth Observatory.....	3·06	5·76	3·89	·89	3·53	3·17	3·64	3·62	5·09	3·32	7·74	4·84	48·55
".....2	St. Austell (Poltair Public Gardens).....	3·09	5·65	3·87	·85	4·18	4·24	4·40	2·80	4·83	4·09	8·20	5·39	51·59
".....4	Silly (Tresco Abbey).....	2·68	4·43	2·92	·57	2·98	2·87	3·35	1·55	3·21	2·57	6·75	3·64	37·52
Somerset.....1	Litton (Sherborne Reservoir).....	2·64	4·48	4·22	·43	3·60	5·43	4·20	3·68	5·20	5·10	9·02	3·77	51·77
".....1	Bath (Henrietta Park).....	2·41	3·29	3·81	·36	2·20	4·50	2·52	2·94	3·50	2·84	6·79	2·35	37·51
".....1	Long Ashton (Research Station).....	2·82	3·67	3·45	·79	2·21	4·29	4·05	3·32	6·08	4·31	7·09	2·60	44·68
".....2	Street (Millfield).....	1·89	2·68	3·55	·31	2·30	3·05	3·90	3·95	3·51	2·77	6·11	3·23	37·25
".....2	Burnham (Dunstan House).....	1·84	2·78	3·05	·45	1·57	2·99	3·21	2·35	3·95	3·17	5·53	2·76	33·65
".....3	Taunton (Vivary Park).....	1·81	2·18	4·05	·14	1·47	2·59	2·01	2·31	2·54	1·75	6·20	2·43	29·48
".....4	Dunkery Beacon.....	3·55	7·17	7·22	1·33	4·21	5·66	6·35	5·92	9·21	9·06	15·06	7·73	82·47
".....5	East Anstey (Dassels).....	4·36	5·25	4·41	1·82	3·59	4·10	6·57	4·56	6·20	5·04	8·98	6·71	61·59
Gloucestershire...3	Cheltenham (Montpellier Gardens).....	1·12	2·28	2·07	·29	2·14	3·11	2·40	3·93	2·18	2·48	6·22	2·30	30·48
".....4	Blockley (The Manor House).....	1·47	2·95	2·57	·49	2·74	3·34	2·49	4·15	3·23	3·42	6·11	2·50	35·46
".....7	Lechlade (St. John's Lock).....	1·45	2·35	2·40	·27	1·89	3·64	1·81	3·57	2·22	2·31	4·73	1·86	28·50
".....7	Cirencester (Somerford).....	1·69	3·07	3·12	·45	1·76	5·58	2·68	3·63	3·88	3·80	5·96	2·55	38·17
Herefordshire...1	Ross-on-Wye.....	1·72	2·17	2·72	·20	2·23	4·66	1·50	2·62	1·66	3·08	7·00	2·01	31·57
".....1	Vowchurch (Ladywell House).....	3·41	2·98	3·07	·29	2·06	4·29	1·59	3·88	2·42	3·78	8·73	2·95	39·45
".....1	Presteigne (Middlemoor).....	2·78	3·18	3·00	·40	2·70	5·01	1·67	5·00	2·54	3·94	7·53	3·15	40·90
Shropshire...3	Bromfield (Oakly Park).....	2·36	2·86	2·44	·45	3·00	3·85	1·95	4·82	2·25	3·89	7·14	2·43	37·44
".....3	Church Stretton (Sewage Works).....	2·71	3·06	2·26	·74	3·76	3·76	2·98	5·11	2·34	3·86	6·84	2·74	40·16
".....3	Shrewsbury (Monkmore).....	2·33	2·15	1·69	·46	2·99	2·55	2·41	3·68	1·59	4·36	4·49	1·90	30·60
".....4	Oswestry (Mount Reservoir).....	3·02	3·65	3·05	·45	3·39	4·12	2·13	4·17	3·94	7·22	8·58	3·50	47·22
Staffordshire...3	Keele (Univ. College of N. Staffs.).....	1·66	2·93	2·16	·78	2·62	4·53	3·13	4·87	3·40	5·70	5·49	3·41	40·68
".....3	Lichfield (Hanch Reservoir).....	1·11	2·45	2·26	·35	2·20	2·61	3·20	4·13	1·84	3·48	4·83	2·91	31·37
".....3	Stafford (Victoria Pleasure Ground).....	1·23	2·26	2·08	·49	2·22	3·17	3·59	4·73	2·04	4·64	4·79	3·18	34·42
Worcestershire...1	Malvern (Free Library).....	1·65	2·19	2·45	·45	2·10	3·70	2·60	4·06	1·39	2·97	6·56	1·66	31·78
".....2	Stourport (Lincombe Lock).....	1·08	2·23	2·35	·41	2·87	2·92	2·67	3·79	1·58	2·31	5·96	1·53	29·70
Warwickshire...1	Alcester (Arrowside).....	1·00	2·00	2·01	·56	1·80	3·03	3·14	3·52	1·76	2·67	4·35	1·72	27·56
".....1	Leamington Spa (Pump Room Gdns.).....	·84	2·31	2·07	·55	3·13	2·72	2·64	3·84	1·92	3·19	4·72	1·70	29·63
".....1	Coventry (City Hospital).....	·74	2·69	2·38	·43	2·26	2·62	3·37	3·66	1·89	3·36	5·33	1·77	30·50
".....4	Birmingham (Edgbaston Observatory).....	1·08	2·70	2·76	·62	2·88	3·21	4·10	4·15	1·69	3·51	6·31	2·35	35·36
Leicestershire...2	Caldecott (Eye Brook Reservoir).....	1·17	2·42	2·11	·29	2·93	2·53	1·84	4·02	1·84	2·44	4·81	3·41	29·81
".....4	Thornton Reservoir.....	1·23	2·41	2·05	·47	2·32	3·45	2·21	4·54	1·90	3·65	5·02	2·77	32·02
".....4	Loughborough (Nanpantan Res.).....	1·36	2·98	2·25	·41	2·74	2·85	2·42	5·20	2·02	3·82	5·56	2·99	34·60
Lincolnshire...2	Spalding (Pode Hole).....	1·69	2·29	1·66	·27	3·86	2·78	2·61	3·34	2·24	2·35	4·17	2·15	29·41
".....3	Boston (Black Sluice, Skirbeck).....	1·26	2·17	1·61	·32	2·87	2·84	1·99	3·58	2·33	2·51	3·88	2·23	27·59
".....3	Cranwell Airfield.....	1·00	2·50	1·35	·34	2·83	2·61	1·65	3·92	1·71	2·41	4·12	2·51	26·95

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Lincolnshire.....3	Horncastle	1.45	2.62	1.81	.32	2.83	1.75	2.08	4.10	1.87	3.36	4.01	2.35	28.55
".....3	Lincoln (Skellingthorpe Hall)	.79	1.94	1.46	.13	2.75	2.63	1.76	3.43	2.16	3.18	4.18	2.52	26.93
".....4	Skegness (Marine Gardens)	1.49	2.33	1.87	.44	1.80	2.62	1.54	3.72	2.00	2.29	3.02	1.58	24.70
".....5	Brigg (Wrawby Road)	1.49	1.71	1.60	.35	2.55	1.92	2.25	4.26	2.10	3.60	4.16	2.59	28.58
".....5	Cleethorpes (Kings Parade)	1.40	2.52	1.97	.40	1.80	1.86	2.52	4.29	1.81	2.85	3.48	2.18	27.08
Nottinghamshire...5	Nottingham (The Castle)	1.42	2.17	1.84	.27	2.42	3.31	1.69	4.18	2.17	3.05	4.20	2.05	28.77
".....5	Mansfield (Carr Bank)	1.75	2.30	2.36	.36	3.30	3.09	1.79	4.12	2.98	3.15	5.50	2.13	32.83
Derbyshire.....6	Derby (Markeaton Park)	1.02	2.66	2.29	.37	3.40	3.18	2.47	4.60	3.23	3.35	4.61	3.36	34.54
".....6	Buxton (Terrace Slopes)	4.64	4.31	3.93	.88	3.66	3.77	6.43	5.70	5.85	8.16	8.63	8.24	64.20
Cheshire.....2	Northwich (Hunt's Lock)	2.10	2.37	2.35	.63	2.21	3.55	3.57	5.32	2.22	4.38	5.11	2.74	39.27
".....3	Birkenhead (Bidston Observatory) ..	2.48	2.46	2.00	.65	2.46	3.32	2.61	5.32	2.22	4.38	5.11	2.74	35.75
Lancashire, South.3	Manchester (Whitworth Park)	3.47	2.94	2.58	.68	2.66	2.99	5.18	5.15	4.04	5.45	5.52	5.02	45.68
".....3	Bolton (Queens Park)	4.55	3.47	2.92	1.04	2.43	4.01	6.91	5.62	4.49	7.94	7.07	6.77	57.22
".....3	Rochdale (Queensway)	4.29	3.25	2.95	.77	3.01	3.48	5.58	5.82	5.83	7.70	6.07	6.47	55.22
Lancashire, Central.1	Squires Gate (Blackpool Airport) ..	2.89	2.95	1.80	1.06	2.51	2.49	4.41	4.31	5.25	7.60	6.26	3.71	45.24
".....1	Stonyhurst (College)	5.63	2.79	2.84	1.47	2.45	4.07	8.07	7.51	7.14	9.19	6.35	6.71	64.22
".....3	Southport (Bedford Road Park)	2.79	3.13	2.23	1.09	2.95	2.84	4.08	5.51	4.14	7.06	6.52	3.53	45.87
Lancashire, North.3	Morecambe	3.34	3.17	2.36	1.04	2.62	4.20	4.63	4.66	7.45	8.72	6.56	4.69	53.44
".....5	Garstang (Grizedale Reservoir)	4.54	3.71	2.89	1.32	3.02	5.02	7.02	6.76	6.74	10.13	6.73	4.81	62.69
Yorkshire, W.R....1	Sedburgh (Brigflatts)	5.38	4.39	3.21	2.20	4.42	4.85	8.36	7.69	10.21	12.31	9.36	10.76	83.14
".....6	Balby (Sewage Works)	1.27	1.93	1.36	.24	2.85	1.52	1.77	5.39	1.35	2.72	4.31	2.08	26.79
".....7	Sheffield W.W. (Redmires Res.)	3.86	2.97	2.98	.75	4.69	2.90	3.35	7.93	4.20	5.06	7.42	6.54	52.65
".....8	Huddersfield (Oakes)	3.33	3.59	2.78	.37	3.33	2.01	2.66	6.04	5.03	6.15	6.43	5.27	46.99
".....8	Wakefield (Clarence Park)	1.94	2.20	1.77	.28	2.85	1.87	1.76	5.53	1.64	3.35	3.97	1.91	27.96
".....9	Goole (Sewage Pumping Station) ...	1.32	1.83	1.75	.18	2.85	1.87	1.79	7.50	3.58	5.22	5.72	3.87	40.96
".....9	Bradford (Lister Park)	2.78	3.16	2.23	.44	3.01	1.66	1.79	6.73	3.11	5.25	5.23	4.67	42.22
".....10	Ilkley (Spence's Garden)	2.91	2.85	1.99	.53	4.87	2.37	1.71	7.60	10.76	15.79	13.24	13.05	94.97
".....10	Oughtershaw	7.21	5.13	3.59	2.27	4.51	4.94	6.88	7.96	5.71	10.22	9.71	6.36	63.75
".....11	Knarborough (Water Tower)	1.91	2.22	1.96	.26	3.96	1.82	1.04	6.24	2.16	4.00	5.34	3.19	34.10
Yorkshire, E.R....2	Ramskill (Raygill House)	4.30	3.17	3.19	1.02	4.93	3.13	4.05	7.96	2.20	4.32	5.67	3.02	37.48
".....2	Birdsall Gardens	1.63	2.67	2.32	.42	4.12	2.10	2.18	6.83	2.20	3.95	4.52	2.24	31.31
".....3	Hull (Pearson Park)	1.68	2.10	1.99	.19	2.68	1.52	1.94	6.20	2.30	3.64	4.40	2.27	29.76
".....3	Louthorpe (The Elms)	1.83	1.99	2.04	.43	1.89	1.84	1.87	5.24	2.32	5.64	7.26	3.16	43.50
Yorkshire, N.R....1	Leyburn (Bolton Hall)	2.78	2.98	2.07	.64	4.29	1.71	2.46	6.82	3.69	5.64	4.50	2.19	34.48
".....2	Felixkirk (Mount St. John)	2.69	2.43	1.94	.25	2.96	2.53	2.78	6.05	2.01	4.15	4.50	1.97	30.47
".....3	York (Museum)	1.36	2.16	1.80	.22	2.53	1.96	2.05	7.18	1.82	2.95	4.67	2.91	42.94
".....4	Farndale Vicarage	2.15	3.78	2.31	.34	4.95	2.18	2.61	7.82	2.44	4.66	6.79	2.91	42.94
".....5	Scarborough	1.80	1.84	2.07	.20	1.82	1.24	1.55	4.38	1.42	3.78	4.41	1.64	26.15

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Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Yorkshire, N.R.	Middlesbrough (Albert Park)	2.41	1.28	1.37	1.16	2.33	2.61	1.65	4.55	1.46	3.83	3.39	1.69	26.73
"	Baldersdale (Hury Reservoir)	3.71	1.93	1.89	.73	4.99	2.67	2.32	5.20	5.26	7.19	6.90	4.67	47.46
Durham	Darlington (South Park)	1.88	2.22	1.54	.37	2.58	2.12	1.85	4.48	1.96	4.23	4.21	1.71	29.15
"	Barnard Castle (Bowes Museum)	2.85	2.54	1.64	.70	3.78	2.08	1.13	5.32	3.17	5.21	6.04	2.99	37.45
"	Durham (Houghall Hort. Station)	2.41	2.30	1.56	.46	4.68	1.47	1.49	5.12	1.69	4.31	4.04	2.33	31.86
"	Weardale W.W. (Waskerley)	3.42	2.53	2.22	.90	5.34	2.06	1.82	8.99	3.32	5.38	5.87	3.21	45.06
Northumberland	Newcastle (Leazes Park)	2.87	1.65	1.23	.52	3.33	2.06	1.99	5.62	2.84	4.40	3.19	1.80	31.50
"	Bellingham (Highgreen)	3.13	1.80	1.80	.53	4.41	1.98	3.52	4.53	4.96	7.32	4.19	4.10	42.27
"	Morpeth (Cockle Park)	2.78	2.14	1.27	.59	2.75	1.47	2.32	7.03	3.15	4.15	3.21	1.35	32.21
"	Howick Hall Gardens	2.59	2.69	1.41	.40	2.68	1.62	2.01	5.44	2.75	3.97	3.28	1.49	30.33
"	Iderton (Liburn Tower Gardens)	2.92	2.47	2.00	.63	4.38	1.30	2.17	6.21	3.06	4.39	4.02	2.45	36.00
"	Mindrum	2.28	1.78	1.23	.78	4.68	2.16	3.00	6.04	2.66	3.88	3.24	2.58	34.31
Cumberland	Silloth Airfield	3.00	2.71	1.96	.81	3.34	3.74	3.44	5.22	4.65	8.71	5.82	3.64	47.04
"	Geltsdale	3.04	1.69	1.56	.82	3.45	4.16	5.09	6.08	5.91	9.13	5.02	5.01	50.96
"	Keswick (High Hill)	4.58	4.77	3.68	1.16	4.23	5.29	5.45	6.05	10.33	13.58	13.22	8.46	90.80
"	Ravenglass (The Grove)	2.99	4.30	2.93	.86	3.42	3.81	5.46	5.07	6.12	7.53	10.36	4.68	57.53
"	Ennerdale (Gillerthwaite)	6.20	8.50	7.20	4.60	5.60	9.20	9.70	9.40	10.40	15.80	18.00	15.60	120.20
Westmorland	Patterdale Hall	7.57	8.50	8.61	1.55	6.02	7.54	6.54	8.40	16.31	20.26	22.00	12.45	125.75
"	Ambleside	6.54	6.43	5.85	2.68	4.39	7.61	5.69	7.82	14.65	18.41	15.59	11.54	107.20
"	Kendal (Fisher Tarn)	4.81	2.94	3.35	1.99	3.68	5.94	6.86	7.17	11.33	12.99	8.18	8.85	78.09
"	Newport W.W. (Nantypriidd)	2.76	4.51	4.42	.27	2.51	4.74	2.73	4.97	5.41	6.53	7.76	3.32	49.93
Monmouthshire	Abergavenny (Pias Derwen)	3.80	4.23	4.92	.17	3.08	5.97	1.32	3.70	3.02	4.56	12.55	3.31	50.63
"	Swansea (Victoria Park)	3.34	5.96	3.33	1.07	2.82	4.51	5.09	4.74	5.87	8.03	9.45	5.25	59.46
Glamorgan	Ystalyfera (Wern House)	3.70	7.97	6.02	1.93	6.64	8.33	6.76	7.49	10.14	15.14	13.83	7.15	95.10
"	Treherbert (Tyn-y-waun)	6.54	10.77	9.14	3.38	6.62	10.63	8.92	9.62	13.89	20.64	19.06	11.39	130.60
"	Cardiff (Penylan)	2.66	4.30	5.03	.88	2.20	4.51	4.41	3.96	6.92	6.52	8.80	3.92	54.11
Carmarthenshire	Llandeusan (Pontcrynfe)	4.64	6.22	5.11	1.31	5.13	6.13	5.26	5.77	6.35	11.83	12.52	5.97	76.24
"	Abergorlech	4.88	6.52	5.59	1.37	6.06	5.36	4.36	6.43	7.68	12.24	13.04	6.76	80.29
Pembrokeshire	Tenby (The Priory)	3.82	5.58	4.53	.87	2.88	2.52	4.22	3.82	3.72	6.83	9.39	3.73	51.91
"	Haverfordwest (Hospital Grounds)	4.02	5.56	5.20	.77	3.95	3.43	4.40	3.84	4.63	7.56	10.80	4.51	58.67
Cardiganshire	Trawscoed	4.17	4.26	3.36	1.50	2.89	5.31	5.49	4.64	4.49	8.64	7.88	5.37	58.00
"	Aberystwyth (Plant Breeding Stn.)	3.88	2.88	2.60	1.46	2.32	4.71	5.21	3.91	3.65	9.44	7.40	4.57	52.03
"	Afon Rheidol (Nant-y-moch)	6.88	5.77	4.49	2.90	4.23	7.39	12.06	10.03	7.34	16.79	10.75	12.15	100.68
"	Cardigan (Pias Llangoedmore)	3.33	3.26	4.55	.89	3.41	3.07	2.23	3.24	3.28	6.94	9.98	4.49	48.67
Brecknockshire	Swansea W.W. (Cray Reservoir)	4.79	10.10	7.30	1.76	6.10	7.57	6.43	9.66	10.64	18.76	18.59	9.98	111.68
Radnorshire	Birmingham W.W. (Tymynydd)	5.38	5.67	4.87	1.20	4.08	6.43	4.74	5.91	6.53	8.84	11.87	7.10	72.62
Montgomeryshire	Machynlleth (Garth)	6.95	4.47	4.53	2.11	2.68	5.46	10.15	6.93	7.60	12.34	10.58	9.77	83.57
"	Newtown (Penarth Weir)	2.73	4.07	2.84	.94	3.09	4.03	2.45	4.73	2.64	4.57	9.85	6.03	47.97

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Montgomeryshire 5	Lake Vyrnwy (Experimental Stn.) . .	in. 5.90	in. 5.50	in. 5.83	in. 1.96	in. 4.84	in. 5.52	in. 6.77	in. 4.78	in. 8.22	in. 12.91	in. 11.81	in. 7.79	in. 81.83
Flintshire 1	Hawarden Airfield	1.99	2.12	1.95	.63	2.38	3.54	2.42	3.44	1.72	4.45	5.77	2.78	33.19
" 2	Bodfari (Nantlvs)	1.95	2.45	1.46	.89	2.82	3.11	2.57	3.07	1.48	3.68	5.65	2.93	32.17
Denbighshire 1	Wrexham W.W. (Pack Saddle Res.)	2.84	3.23	2.87	.69	2.82	3.72	2.43	3.38	3.13	5.42	7.81	3.16	41.50
Merionethshire 1	Llandrillo (Crogen)	3.80	4.68	3.62	1.18	4.73	3.06	3.56	4.35	4.43	8.87	11.10	4.80	58.18
" 3	Blaenau Festiniog (Oakeley Quarry)	10.83	9.68	8.71	4.57	5.48	9.03	15.64	13.55	12.49	31.09	12.24	16.48	149.79
" 4	Dolgelley (Bronygader)	6.22	7.02	7.06	1.76	4.71	5.86	9.05	7.14	8.31	14.65	15.47	9.59	96.84
" 5	Aberdovey (Plas Penhelig)	4.07	3.91	3.38	1.68	3.06	6.10	5.12	4.79	4.74	9.80	8.16	6.19	61.00
Caernarvonshire 2	Llandudno (Cricket Ground)	2.17	2.33	2.06	1.37	2.18	2.75	2.54	3.09	2.48	5.29	5.55	2.51	34.32
" 4	Pwllheli (West End)	3.00	2.91	3.29	.98	2.54	3.42	2.88	3.02	3.28	7.76	8.16	3.19	44.43
" 5	Snowdon (Cwm Dyli)	13.89	10.96	11.52	4.07	8.61	10.62	16.92	14.09	17.28	30.43	20.64	17.62	176.65
Anglesey	Holyhead (Valley Airfield)	2.20	3.15	2.88	1.28	2.69	3.17	3.08	3.38	3.41	6.19	6.63	3.12	41.18
"	Llanerchymedd (Llwydiarth Esgob).	2.85	3.83	3.28	1.12	3.02	3.41	3.95	3.97	5.45	7.76	7.35	3.32	49.31
Isle of Man	Douglas (Borough Cemetery)	4.25	5.17	3.90	.57	2.71	2.22	3.51	4.64	6.23	8.97	7.47	7.20	56.84
"	Point of Ayre	3.21	2.65	4.13	.31	2.50	1.53	2.90	3.48	3.08	5.61	5.40	4.23	39.03
Wigtownshire 1	Castle Kennedy (Lochinch)	4.53	4.82	4.58	1.19	2.73	4.00	3.94	4.02	5.89	7.55	7.83	6.17	57.25
" 3	Port William (Monrieth)	3.37	3.65	3.47	.85	2.75	3.06	4.41	3.96	4.41	8.42	7.54	4.26	50.15
" 4	Newton Stewart (Little Barraer)	4.59	4.51	3.90	1.45	2.53	5.04	4.94	4.56	7.23	8.49	8.87	6.59	62.70
Kirkcudbrightshire 3	Mossdale (Hensol)	4.98	5.99	4.76	1.48	4.80	4.11	3.52	3.94	7.32	11.32	12.28	6.84	71.34
" 5	Lochrutton (Dumfries W.W.)	4.78	4.77	3.02	1.26	4.84	4.33	4.11	4.50	6.57	9.95	10.78	5.32	64.24
Dumfriesshire 2	Dumfries (Crichton Royal Institute)	4.01	4.18	3.16	.89	4.33	3.33	2.95	4.18	5.78	8.15	9.49	4.28	54.73
" 3	Dumfriesshire (Drumlanrig)	5.42	3.78	3.34	1.22	5.70	4.02	4.26	4.08	7.18	11.08	10.00	6.02	66.10
" 5	Canonbie (Irvine House)	4.16	3.48	3.56	1.07	3.33	5.32	6.78	5.53	8.07	10.40	7.99	6.84	66.53
" 5	Eskdalemuir Observatory	5.55	4.33	4.44	1.40	7.03	6.21	5.30	5.84	8.77	12.48	10.75	8.61	80.71
Roxburghshire 3	Crailing	2.36	1.28	1.32	.72	4.65	1.72	2.64	6.45	2.20	4.65	2.71	2.62	33.32
Peeblesshire 1	Edinburgh W.W. (Talla Linns Foot)	5.01	6.00	5.00	1.05	7.05	4.09	4.53	6.54	7.05	11.10	14.30	6.52	78.24
" 2	Stobo Castle	4.45	2.85	2.77	.90	5.48	2.58	3.91	5.14	4.41	7.00	7.25	5.17	51.91
Berwickshire 4	Marchmont House	2.53	2.18	1.99	.70	4.87	2.48	2.36	6.13	3.39	5.24	2.55	2.39	36.81
East Lothian 5	North Berwick (Gas Works)	1.97	1.52	1.23	1.53	3.38	2.77	2.39	4.59	2.71	5.67	2.01	1.75	31.52
Midlothian 4	Moorfoot Hills (Rosebery)	3.61	1.64	2.10	1.24	6.05	2.56	2.06	5.34	3.77	6.00	4.28	4.70	43.35
" 5	Pentland Hills (Morton)	3.85	2.24	2.52	1.56	5.28	2.38	2.58	6.81	4.16	7.43	5.18	5.05	49.04
" 5	Edinburgh (Blackford Hill)	2.24	1.54	1.26	1.22	4.49	2.29	1.69	5.33	3.41	6.17	2.84	2.67	35.15
Lanarkshire 4	Gartcosh (Gartloch Hospital)	4.66	2.81	2.37	1.61	3.50	3.11	3.14	4.85	4.77	9.42	5.89	5.14	51.27
" 5	Strathaven (Kype Reservoir)	5.25	3.67	3.65	2.13	3.41	3.91	4.27	5.18	7.59	10.09	8.33	9.39	66.87

SCOTLAND

Table 8c. Monthly Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Lanarkshire	5	Hamilton W.W. (Townhill)	4.91	3.31	2.33	1.57	3.69	2.45	2.90	4.67	6.02	8.67	6.18	52.75
"	2	Glasgow (Queens Park)	5.01	3.42	2.57	1.41	3.26	3.03	3.56	5.39	4.48	8.75	5.92	51.66
Ayrshire	3	Kilmarnock (Springhill House)	4.03	3.17	2.43	1.41	2.13	3.81	4.33	4.59	5.25	8.69	5.72	51.00
"	5	Maybole (Otterden)	4.43	3.40	2.81	1.17	1.76	5.11	5.35	4.51	6.14	9.39	6.17	56.27
"	8	Colmonell (Knockdolian)	3.77	4.13	4.15	1.11	2.40	4.07	4.31	4.37	5.35	7.59	7.76	55.38
"	13	Glen Afton (Ayr Sanatorium)	6.30	4.43	3.96	2.36	6.09	3.89	4.79	5.45	9.46	10.05	11.35	77.48
Renfrewshire	3	Greenock (Prospect Hill)	7.59	6.36	4.34	2.88	3.87	4.02	3.38	5.14	8.38	10.75	9.09	74.51
Stirlingshire	1	Falkirk (Arnotdale)	4.38	3.32	2.78	1.82	4.24	2.57	2.28	4.35	4.32	9.15	4.15	48.03
Buteshire	1	Rothsay (Ardencraig)	5.49	3.93	4.22	2.19	3.58	4.52	5.09	5.79	8.85	8.98	8.77	67.46
"	3	Dougarie Lodge	4.09	5.03	4.39	1.80	3.22	4.22	4.46	4.76	6.31	8.24	8.74	62.25
Argyllshire	2	Morvern (Drimnin)	7.36	5.60	5.19	1.76	4.68	4.59	3.90	4.20	8.58	9.83	9.64	74.06
"	3	Morvern (Kingairloch)	10.86	7.99	9.59	3.57	4.31	8.33	6.71	7.57	17.92	18.27	15.33	126.41
"	4	Glenleven (Kinlochleven)	8.87	6.30	5.93	3.73	4.70	7.68	4.61	7.15	12.13	15.04	15.54	110.78
"	7	Oban	7.50	5.19	4.16	2.13	3.08	4.63	3.84	5.20	8.13	11.17	9.26	74.14
"	8	Lochgilphead (Poltalloch)	6.12	3.70	3.92	2.47	4.04	5.19	5.66	4.99	9.61	11.01	11.44	79.12
"	9	West Loch Tarbert (Dunmore)	4.53	3.56	3.81	1.30	3.69	6.75	5.05	4.17	6.74	8.00	9.09	63.81
"	10	Monybacach (Skipness)	5.80	4.50	3.38	1.90	2.87	5.00	4.74	6.12	8.68	8.41	7.79	67.73
"	11	Ardishaig (Canal Office)	7.28	4.88	5.90	2.72	4.68	6.36	6.45	5.75	11.35	11.19	11.42	89.41
"	11	Inveraray Castle Gardens	9.09	5.40	5.74	4.23	4.23	6.15	5.05	6.44	11.16	15.51	12.50	102.84
"	12	Loch Eck (Benmore)	10.87	8.87	7.29	4.85	6.27	6.43	6.81	7.89	13.96	16.23	15.41	121.93
"	14	Islay (Eallabus)	6.37	5.15	3.75	1.65	3.89	4.19	5.66	4.12	8.47	7.60	10.06	67.06
"	14	Colonsay	6.56	4.23	4.23	1.65	3.99	4.60	4.48	4.78	8.34	8.18	8.53	67.04
"	14	Iona (Maol)	5.75	3.87	4.06	1.57	3.94	4.05	3.82	4.77	7.61	8.59	8.05	62.59
"	14	Mull (Gruline)	9.06	7.05	8.09	2.06	5.88	6.07	4.78	6.67	13.13	11.42	14.13	100.49
"	14	Tiree Airport	6.24	3.73	4.65	1.41	4.09	3.48	3.02	3.20	8.52	5.50	8.86	58.25
Kinross-shire	2	Loch Leven Sluice	3.57	2.96	3.81	1.36	5.61	2.97	2.92	3.31	4.47	8.23	5.03	48.56
Fife-shire	3	Leuchars Airfield	1.36	2.31	2.16	1.69	3.10	2.13	1.55	2.45	2.09	5.71	3.65	31.22
Perthshire	1	Loch Dhu	9.23	7.86	7.05	3.54	5.92	4.16	3.61	6.66	11.54	13.75	14.55	101.64
"	3	Glengyle	8.40	8.66	6.92	4.24	4.91	5.65	4.26	8.14	11.32	15.86	15.28	111.09
"	4	Glendevon (Frandy)	5.13	4.77	4.87	2.35	7.71	4.42	3.21	5.06	8.19	10.92	12.46	77.84
"	7	Lochearnhead (Ardloch)	6.46	5.58	5.31	2.14	6.16	2.61	2.62	5.09	6.38	10.87	12.82	77.01
"	7	Crieff (Strathearn Hydro)	3.39	4.53	3.10	1.38	6.10	2.57	2.48	4.11	3.93	7.20	7.39	60.00
"	11	Aberfeldy (Tigh 'n Eilean)	3.63	3.58	3.13	.90	5.37	1.68	1.71	2.93	3.49	6.48	9.60	52.18
"	12	Tyndrum Manse	9.89	7.54	6.32	3.39	5.50	5.38	3.90	7.38	12.78	16.72	15.96	114.51
"	14	Loch Rannoch (Station)	6.60	5.60	3.50	2.67	4.63	3.42	2.97	4.70	7.24	11.49	9.75	76.82
"	14	Fincastle House	3.71	3.09	2.32	.96	5.56	2.10	2.57	3.12	3.40	6.11	7.43	46.49
Angus	1	Kirriemuir (Glenhead)	2.50	4.50	5.20	1.40	6.00	2.30	3.20	2.80	4.30	7.90	10.50	55.10
"	2	Dundee (Clatto Reservoir)	1.54	2.94	2.51	.86	4.84	2.29	3.21	3.32	3.06	6.62	4.83	39.51

Table 8c. Monthly Rainfall—SCOTLAND (continued)

County and River Division		Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Angus	3	Arbroath (Springfield Park)	in. 1·03	in. 1·38	in. 2·02	in. 1·03	in. 2·41	in. 1·87	in. 1·97	in. 2·26	in. 2·12	in. 4·78	in. 3·01	in. 2·14	in. 26·02
"	3	Forfar (Den of Ogil)	2·36	4·09	2·99	1·09	5·45	2·50	2·84	3·77	3·40	6·64	7·23	4·67	47·03
"	4	Montrose (Sunnyside Asylum)	1·10	2·03	2·42	·94	3·32	2·03	2·19	2·66	2·35	5·14	4·79	2·58	31·55
Kincardineshire	3	Strachan (Bridge of Dye)	2·21	4·69	3·77	1·32	4·88	1·55	2·39	3·78	2·32	5·80	10·06	3·73	46·50
Aberdeenshire	1	Braemar (Bank)	2·29	3·01	2·51	·96	4·73	1·96	2·30	2·88	2·86	6·04	7·12	6·27	42·93
"	1	Logie Coldstone School	2·31	3·07	2·58	·81	3·84	1·65	1·97	3·42	1·48	5·07	4·28	4·36	34·84
"	2	Dyce (Crabstone)	1·11	2·81	1·83	1·53	3·83	2·39	2·74	3·06	1·31	5·14	6·02	3·35	35·12
"	3	Haddo House	1·37	3·15	1·84	1·20	3·60	3·15	2·34	2·80	2·06	5·14	6·08	4·05	36·78
"	4	New Deer School House	1·72	3·02	1·50	1·18	3·64	3·26	3·17	2·50	2·63	5·37	5·54	5·13	38·66
"	4	Peterhead (Forehill Works)	1·00	2·00	1·50	·91	3·67	2·61	1·90	1·98	2·34	4·81	4·43	3·86	31·01
Banffshire	2	Turriff (Forglen Gardens)	1·92	2·47	1·88	·90	4·39	3·58	2·97	2·29	2·28	5·12	4·64	5·11	37·55
"	3	Glenlivet (Clashnoir)	1·86	1·91	2·49	1·25	6·31	3·35	3·78	3·65	2·77	5·02	5·49	5·47	43·35
"	3	Ballindalloch	2·32	1·38	1·70	1·06	5·64	3·27	5·01	2·57	3·26	5·31	3·15	7·02	41·69
Morayshire	2	Fochabers (Gordon Castle)	1·14	1·47	1·61	·81	5·08	2·86	3·07	3·01	2·08	5·02	3·35	4·07	33·57
Nairnshire	2	Nairn (Achareidh)	1·35	·94	1·14	·86	3·29	2·18	3·00	2·22	2·16	5·47	1·71	3·64	27·96
Inverness-shire	2	Dalwhinnie	4·13	2·56	2·88	1·71	5·14	2·34	2·39	3·19	6·59	8·09	10·69	9·78	59·49
"	2	Glenshero	5·61	3·37	2·39	2·10	4·03	2·97	1·86	4·00	5·87	8·76	7·02	11·41	59·39
"	6	Fort Augustus (Auchterawe)	5·45	3·14	2·94	2·03	4·34	2·62	2·19	3·69	4·88	9·53	5·57	11·94	58·32
"	6	Loch Ness (Garthbeg)	3·57	2·47	2·32	1·72	4·52	2·09	3·01	3·03	3·62	7·25	4·42	8·45	46·47
"	6	Inverness (Culduthel Reservoir)	2·19	1·29	1·83	1·37	3·28	1·90	2·30	2·65	2·24	5·79	2·10	4·74	31·68
"	7	Loch Quoich (Glenquoich)	11·87	5·79	6·34	4·42	4·83	7·94	5·45	7·31	12·30	17·36	13·94	25·06	122·61
"	12	Loch Nevis (Inverie Gardens)	7·75	5·01	5·58	3·40	4·29	6·59	6·54	7·25	9·86	13·57	10·49	12·36	92·69
"	13	Arisaig House	7·13	3·69	4·21	2·09	4·46	7·34	5·83	8·90	9·27	11·77	8·94	8·92	82·55
"	17	Onich	8·95	5·25	5·50	3·14	4·12	7·12	4·91	6·65	10·34	16·99	12·07	16·11	101·15
"	17	Fort William (Teviot)	7·99	4·77	5·44	3·12	4·10	5·22	3·51	5·92	10·55	14·62	10·61	16·33	92·18
"	18	Isle of Eigg	6·03	4·23	4·53	1·87	4·01	4·62	4·34	5·02	8·85	9·47	7·29	7·83	68·09
"	18	Skye (Glenbrittle)	7·92	6·03	5·74	3·20	5·44	7·83	8·30	7·71	9·95	12·76	13·45	10·21	98·54
"	18	Skye (Broadford)	7·61	4·80	6·65	2·43	3·50	4·16	4·18	5·68	10·77	13·97	10·55	12·46	86·76
"	18	Skye (Duntulm, Kilmuir)	4·87	4·50	4·58	2·12	3·43	5·86	3·41	4·33	5·17	8·64	8·22	5·99	61·12
"	19	Benbecula Airport	6·50	5·57	4·17	1·78	2·24	3·66	3·19	3·65	5·14	5·97	8·83	5·44	56·14
"	19	Harris (Kyles Lodge)	8·49	5·78	5·30	1·97	2·75	4·61	4·64	4·07	5·72	8·24	11·07	7·89	70·53
Ross and Cromarty	4	Muir of Ord (Fairburn)	4·06	2·29	2·02	1·92	3·24	2·20	3·31	2·39	3·11	6·19	4·10	9·33	44·16
"	5	Tain (Mayfield)	2·00	1·77	1·84	·90	3·55	2·56	4·23	2·22	2·33	6·29	3·06	4·92	35·67
"	7	Inverbroom (Glackour)	5·82	3·11	3·21	2·50	5·46	3·25	5·76	2·31	6·50	9·30	5·26	12·15	64·63
"	8	Loch Torridon (Torridon House)	7·05	4·91	3·79	3·16	5·89	6·83	6·08	3·88	8·02	10·84	8·29	9·80	78·54
"	8	Inverasdale (Midtown)	5·18	4·52	4·91	2·39	2·89	6·50	5·08	3·24	6·96	10·45	7·72	8·65	68·49
"	9	Loch Duich (Ratagan)	8·33	5·57	5·23	3·38	3·83	6·76	6·43	5·14	10·64	13·36	11·13	14·88	94·68
"	9	Applecross Gardens	5·42	4·42	4·28	2·53	4·43	5·08	5·01	2·55	6·22	9·18	7·12	6·46	62·70

Table 8c. Monthly Rainfall—SCOTLAND (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
Ross and Cromarty	Achnashellach	7.38	5.21	5.11	4.10	4.61	5.70	5.21	4.31	11.65	13.39	9.30	15.47	91.44
"	Stornoway Airport	3.77	3.74	3.84	1.45	2.78	3.68	2.40	1.82	4.41	7.14	5.41	6.44	46.88
Sutherland	Glenrossal	4.07	2.88	2.47	2.29	4.53	2.41	3.78	2.29	5.31	8.37	4.53	11.21	54.14
"	Loch Shin (Corrykinloch)	8.10	4.33	3.73	3.82	4.09	4.03	7.21	3.67	6.45	11.15	6.29	16.67	79.54
"	Tongue	3.01	2.85	2.17	1.59	3.55	3.57	4.13	2.94	3.71	7.69	4.30	8.38	47.89
"	Melvich School	3.23	3.09	2.36	1.24	2.80	3.15	3.53	2.67	4.09	6.79	4.07	6.34	43.36
"	Cape Wrath	3.52	4.29	2.98	1.99	2.95	6.36	3.61	2.57	4.95	10.85	5.73	7.55	57.75
"	Lochinver (Bank House)	3.45	3.67	3.44	1.83	2.29	5.56	5.45	3.00	4.49	8.13	5.68	6.78	53.37
Caithness	Wick Airport	1.86	1.88	2.12	1.10	2.73	3.41	3.11	2.35	2.74	5.67	4.47	5.49	36.93
"	Thurso (Holburn Head)	2.48	2.59	1.94	1.39	2.02	3.29	3.24	1.78	3.89	6.31	4.12	5.25	38.30
Orkney	Stenness	2.69	4.56	2.62	1.53	2.19	3.90	4.34	2.54	4.50	7.94	7.00	5.85	49.66
"	North Ronaldshay	2.55	3.63	2.09	1.42	1.86	3.44	3.03	2.10	4.22	6.09	5.31	6.03	41.77
Shetland	Lerwick Observatory	3.74	5.43	2.63	2.14	1.41	4.69	3.16	2.69	6.41	5.17	6.05	6.13	49.64

NORTHERN IRELAND

Fermanagh	Newtownbutler (Crom Castle)	2.31	4.71	4.55	.82	3.28	2.00	4.27	3.36	4.90	6.80	5.28	4.00	46.28
"	Enniskillen (Bellevue)	2.33	3.89	3.85	.91	4.43	2.57	5.75	3.19	6.16	5.52	4.87	3.37	46.84
"	Belleek	3.44	4.93	4.93	1.23	2.77	3.05	7.88	3.46	6.79	6.90	6.49	4.51	56.38
Armagh	Armagh Observatory	1.87	3.98	3.19	.50	3.95	2.29	4.61	2.26	4.39	5.24	4.41	3.73	40.42
Down	Newry (Bridge Street House)	1.88	4.34	3.61	.51	5.06	2.27	3.80	2.50	4.62	8.10	7.06	4.82	48.57
"	Silent Valley (Belfast Waterworks)	2.95	6.59	5.01	1.01	6.48	3.97	4.44	3.64	5.04	8.45	8.30	6.37	62.25
"	Seaforde	2.69	4.88	4.16	.60	4.57	2.56	3.59	2.86	5.00	7.01	7.49	4.81	50.22
"	Donaghadee (Orlock Reservoir)	2.82	2.94	3.56	.60	2.44	2.26	2.87	2.78	3.02	5.25	4.86	3.46	36.86
Antrim	Belfast (Queen's University)	2.52	3.63	2.99	.50	3.15	2.48	4.10	3.10	4.31	5.40	6.82	4.71	43.71
"	Carrickfergus (Copeland)	3.73	3.87	4.49	1.19	4.32	3.52	4.41	3.29	4.49	7.11	6.39	5.95	52.76
"	Larne (Sallagh Springs)	5.07	5.41	4.73	1.33	4.05	3.29	4.26	3.10	4.36	7.42	6.51	6.88	56.41
"	Ballycastle (Coolgreany)	5.61	3.83	2.46	1.22	3.07	3.12	4.00	3.64	5.46	6.05	7.08	6.67	52.21
"	Aldergrove Airfield	2.74	3.95	2.73	.38	3.27	2.84	3.60	2.20	2.75	5.79	5.03	3.74	39.02
"	Ballymena (Harryville)	3.82	4.13	2.89	.61	4.36	3.50	3.99	2.38	4.63	7.76	5.75	6.04	49.86
Londonderry	Garvagh (Moneydig)	3.74	4.21	3.18	1.08	5.11	3.28	3.42	3.16	5.00	5.19	5.24	6.27	48.88
"	Coleraine (Ingledene)	4.10	3.94	2.72	1.35	3.95	3.16	3.85	2.92	4.43	5.06	5.38	5.49	45.75
"	Glendra Lodge	4.33	5.97	4.86	1.55	7.06	4.52	4.93	4.23	7.98	7.31	8.54	7.81	69.09
"	Londonderry (Creggan Reservoir)	4.09	3.85	2.97	1.51	4.50	3.63	4.12	4.45	5.55	5.30	4.94	5.79	50.70
Tyrone	Dungannon (Aloha)	2.68	4.90	3.32	.71	4.24	2.99	4.36	2.75	4.98	7.10	5.36	4.80	48.19
"	Omagh (Edenfel)	3.24	4.75	3.67	1.40	4.53	3.71	5.93	3.40	4.95	8.63	5.19	5.42	54.82
"	Sion Mills (Sion House)	3.62	4.47	3.87	1.39	3.94	4.02	5.21	3.62	5.46	6.17	5.07	6.06	52.90

Table 8D. Monthly Rainfall in 1954; the Average, 1881-1915, being taken as 100

County and River Division		Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			%	%	%	%	%	%	%	%	%	%	%	%	%
London	2	St. Pancras (Camden Square)	56	133	117	19	93	169	126	154	97	83	136	66	106
Kent	1	Dover (Waterloo Crescent)	109	146	141	14	101	99	208	146	65	41	155	45	103
"	4	Edenbridge (Falconhurst)	67	94	129	28	161	179	124	120	114	69	161	64	109
Sussex	1	Compton (Compton House)	69	147	148	19	137	153	146	107	154	79	175	94	118
"	3	Worthing (Beach House Park)	54	118	175	27	97	140	199	121	117	48	162	88	110
Hampshire	4	Southampton (East Park)	54	139	144	13	104	176	114	144	140	81	175	80	113
"	8	South Farnborough (R.A.E.)	68	147	118	16	181	149	114	137	114	66	179	86	114
Buckinghamshire	3	Slough (Upton)	47	132	126	25	165	196	140	139	115	90	200	80	122
Oxfordshire	3	Oxford (Radcliffe Met. Station)	71	143	154	24	112	162	92	139	152	74	192	82	116
Northamptonshire	4	Wellingborough (Swanspool)	50	126	123	15	154	124	121	146	121	81	235	110	120
Cambridgeshire	2	March	68	164	146	13	153	112	116	195	100	79	197	93	120
"	2	Cambridge (Botanic Gardens)	62	137	134	21	198	82	125	155	108	72	163	94	114
Essex	1	Hatfield Broad Oak (Barrington)	62	134	126	21	103	93	120	124	75	89	156	79	101
"	3	Southend (Waterworks)	68	126	125	23	121	139	122	150	57	58	137	43	98
"	3	Felixstowe	114	168	111	25	106	81	113	188	84	55	130	73	103
Suffolk	4	Lowestoft (Secondary School)	93	129	124	25	100	118	77	222	66	57	182	66	106
"	5	Bury St. Edmunds (Westley Hall)	85	134	126	27	123	106	133	168	73	70	170	93	111
Norfolk	3	Sandringham House Gardens	99	162	141	28	133	97	116	184	127	106	185	85	124
Wiltshire	3	Porton (C.D.E.E.)	76	132	125	12	128	169	126	155	124	76	242	93	122
"	5	Aldbourne (Manor House)	84	133	136	20	121	224	90	121	159	77	194	88	121
Dorset	3	Creech Grange	54	127	170	9	64	113	181	121	153	79	157	85	110
"	3	Beaminstor (East Street)	67	125	190	14	109	130	100	113	191	84	208	76	117
Devonshire, S.	4	Princetown (H.M. Prison)	52	115	120	32	190	203	166	102	195	121	177	72	121
"	5	Teignmouth (Den Gardens)	56	116	144	6	101	144	91	99	117	63	214	81	102
Devonshire, N.	1	Ilfracombe (Bowling Green)	73	175	115	33	115	174	188	99	208	141	208	92	135
Cornwall	1	Bude (School House)	74	164	102	42	114	136	193	98	138	88	188	68	115
"	2	Penzance (Morrah Gardens)	96	176	132	35	183	145	142	55	168	70	169	83	117
"	2	St. Austell (Poltair Public Gdns.)	72	147	113	30	173	163	131	77	151	78	167	88	113
"	4	Scilly (Tresco Abbey)	85	159	111	29	176	166	151	56	125	67	196	78	112
Somerset	3	Taunton (Vivary Park)	76	105	195	8	86	147	95	97	128	54	228	73	107
Gloucestershire	7	Cirencester (Somerford Road)	67	136	135	24	85	233	104	121	176	115	200	76	124
Herefordshire	1	Vowchurch (Ladywell House)	114	112	117	13	81	173	62	121	109	95	263	73	113
Shropshire	3	Church Stretton (Sewage Works)	104	131	94	34	148	148	113	153	111	105	221	78	122
"	3	Shrewsbury (Monkmoor)	119	137	101	31	153	123	115	133	98	156	199	78	124
Worcestershire	1	Malvern (Free Library)	75	122	126	25	97	159	114	140	72	100	260	60	115
Warwickshire	1	Leamington Spa (Pump Room Gdns.)	46	143	129	35	161	133	119	155	114	123	221	73	123
"	4	Birmingham (Edgbaston Obsy.)	48	145	131	32	122	125	160	139	86	115	241	79	121
Leicestershire	4	Thornton Reservoir	62	144	111	28	115	160	89	162	105	130	222	103	122

Table 8D. Monthly Rainfall in 1954; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Lincolnshire	Boston (Black Sluice, Skirbeck)	% 78	% 149	% 103	% 24	% 163	% 156	% 90	% 150	% 132	% 92	% 194	% 104	% 121
"	Skegness (Marine Gardens)	86	152	113	33	106	146	71	152	110	84	140	72	106
Nottinghamshire	Mansfield (Carr Bank)	81	119	113	21	156	137	68	148	162	104	226	73	118
Derbyshire	Buxton (Terrace Slopes)	104	115	95	30	118	117	164	130	181	166	184	145	133
Cheshire	Birkenhead (Bidston Observatory) ..	117	146	105	40	129	151	101	173	92	134	204	103	128
Lancashire, South	Manchester (Whitworth Park)	138	153	114	35	125	113	157	149	170	165	209	155	144
" Central	Squires Gate (Blackpool Airport) ..	111	139	80	60	121	120	159	126	194	214	190	119	142
"	Stonyhurst College	132	83	77	54	86	133	209	148	187	205	141	138	138
" North	Garstang (Grizedale Reservoir)	126	130	89	54	110	168	171	137	184	228	161	109	144
Yorkshire, W.R.	Wakefield (Clarence Park)	101	129	98	17	133	48	64	226	114	114	194	98	114
" E.R.	Hull (Pearson Park)	93	127	109	12	139	74	83	213	134	133	206	93	123
" N.R.	Felixkirk (Mount St. John)	135	144	98	15	157	116	102	212	110	144	184	91	130
"	York (Museum)	77	143	107	14	127	95	81	285	112	110	214	88	125
"	Scarborough	90	110	115	13	95	67	64	158	79	121	179	69	101
"	Middlesbrough (Albert Park)	151	98	87	12	121	138	64	166	88	128	160	87	113
"	Baldersdale (Hury Reservoir)	111	66	66	33	201	122	79	157	205	194	190	121	132
"	Newcastle (Leazes Park)	145	108	60	33	168	98	78	199	143	142	136	77	119
Northumberland	Bellingham (Highgreen)	109	71	61	25	184	86	107	128	207	187	122	113	119
"	Ilderton (Lilburn Tower Gardens) ..	141	124	75	32	190	63	88	220	130	119	120	93	118
"	Geltsdale	109	65	56	38	134	154	148	148	211	245	153	131	138
Cumberland	Keswick (High Hill)	91	97	82	38	133	182	142	116	244	243	234	126	147
"	Ravenglass (The Grove)	89	140	95	35	122	146	145	111	182	174	232	102	136
Monmouthshire	Abergavenny (Plas Derwen)	102	121	147	6	104	223	49	112	118	99	300	67	123
Glamorgan	Ystalyfera (Wern House)	59	155	112	51	190	221	147	121	232	220	211	82	147
"	Cardiff (Penylan)	72	146	160	35	90	180	143	94	227	137	217	78	131
Carmarthenshire	Llanddeusant (Pontcrynfe)	87	138	107	41	156	190	131	112	173	199	221	87	137
Pembrokeshire	Tenby (The Priory)	102	192	146	38	125	105	143	101	118	139	216	75	127
Radnorshire	Birmingham W.W. (Tymynydd) ..	85	108	91	33	119	197	115	110	169	134	178	86	117
Montgomeryshire	Lake Vyrnwy (Experimental Stn.) ..	102	121	130	62	150	171	190	89	227	221	206	110	147
Merionethshire	Blaenau Festiniog (Oakeley Qu.) ..	106	118	101	74	97	139	184	121	159	304	115	130	141
"	Aberdovey (Plas Penhelig)	105	131	102	65	122	224	146	108	148	206	180	130	141
Caernarvonshire	Llandudno (Cricket Ground)	90	119	101	81	122	145	113	110	116	157	192	87	122
Anglesey	Llanerchymedd (Llwydiarth Esgob).	90	151	110	51	129	144	138	110	185	173	175	76	129
Isle of Man	Douglas (Borough Cemetery)	127	162	132	23	108	92	115	122	191	198	159	146	138
Wigtownshire	Newtown Stewart (Little Barraer) ..	111	120	113	57	96	191	157	109	212	187	178	122	140
Dumfriesshire	Dumfries (Crichton Royal Inst.) ..	125	128	106	38	157	132	90	103	213	206	258	100	140
"	Eskdalemuir Observatory	103	87	91	41	213	197	129	113	237	231	185	123	143
Roxburghshire	Crailing	122	69	61	45	231	78	91	219	108	162	114	97	121

Table 8D. Monthly Rainfall in 1954; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Peeblesshire	Stobo Castle	% 148	% 103	% 96	% 43	% 241	% 110	% 135	% 144	% 175	% 203	% 219	% 136	% 149
Bervickshire	Marchmont House	112	105	75	35	197	107	77	185	141	137	85	85	114
East Lothian	North Berwick Reservoir	115	97	66	111	172	169	93	147	131	193	91	82	125
Midlothian	Edinburgh (Blackford Hill)	127	93	64	83	219	115	60	166	166	225	127	114	134
Lanarkshire	Hamilton W.W. (Townhill)	149	114	84	84	154	111	101	137	225	266	173	140	148
Ayrshire	Colmonell (Knockdolian)	87	107	123	44	94	161	137	109	154	171	156	114	124
"	Glen Afton (Ayr Sanatorium)	124	101	94	79	203	123	114	101	243	197	206	146	146
Renfrewshire	Greenock (Prospect Hill)	117	120	93	84	119	129	91	100	187	212	150	117	128
Buteshire	Rothsay (Ardencraig)	122	98	118	73	117	147	129	119	219	204	173	111	138
Argyllshire	Morvern (Drimmin)	116	106	107	48	145	148	88	80	152	164	142	111	119
"	Lochgilthead (Poltalloch)	122	86	102	82	140	170	137	102	210	223	203	172	150
"	Inveraray Castle Gardens	111	80	91	92	108	155	101	98	174	220	148	175	133
"	Islay (Eallabus)	136	123	98	57	147	160	166	94	203	159	187	104	137
"	Tiree Airport	147	108	139	57	164	136	83	76	230	121	183	106	130
Kinross-shire	Loch Leven Sluice	113	105	127	71	230	136	101	86	174	239	140	110	136
Fife-shire	Leuchars Airfield	75	132	111	106	159	128	60	80	108	220	159	122	121
Perthshire	Loch Dhu	101	106	107	75	132	100	75	99	201	192	167	137	127
"	Grieff (Strathearn Hydro)	84	129	97	63	245	97	84	98	137	183	170	134	128
"	Fincastle House	106	105	84	43	262	100	96	88	135	187	200	151	131
Angus	Montrose (Sunnyside Asylum)	55	110	117	52	163	122	83	95	118	186	181	93	117
Aberdeenshire	Braemar (Bank)	72	106	84	41	199	100	89	84	114	161	185	176	121
"	Dyce (Craibstone)	47	123	69	74	150	128	90	101	54	153	185	99	109
"	New Deer School House	74	142	58	59	167	164	104	84	104	141	164	150	120
Morayshire	Fochabers (Gordon Castle)	56	77	69	46	240	140	96	95	83	159	116	151	113
Nairnshire	Nairn (Achareidh)	75	58	62	61	185	123	118	91	102	239	76	178	117
Inverness-shire	Glenshero	104	82	65	79	152	132	61	100	166	215	147	199	129
"	Loch Ness (Garthbeg)	81	72	70	75	182	92	95	93	117	203	106	183	116
"	Loch Quoich (Glenquoich)	86	56	65	68	88	162	85	89	142	174	115	171	111
"	Onich	102	77	84	70	104	184	95	99	165	261	143	164	131
"	Fort William (Teviot)	82	64	81	69	104	147	72	95	165	206	129	160	117
"	Skye (Broadford)	101	74	110	54	83	106	76	88	156	184	123	139	113
"	Skye (Duntulm, Kilmuir)	92	98	104	65	120	225	91	97	112	159	137	96	114
"	Tain (Mayfield)	82	77	81	49	172	135	155	82	102	229	103	173	123
Ross and Cromarty	Inverbroom (Glackour)	108	61	65	67	182	115	155	55	147	165	85	165	114
"	Achnashellach	81	76	75	77	109	152	107	68	169	176	108	163	114
Sutherland	Loch Shin (Corrykinloch)	121	70	61	82	96	112	136	65	118	152	78	193	110
"	Lochinver (Bank House)	81	82	92	64	130	260	180	90	129	177	112	122	120
Caithness	Wick Airport	76	83	93	55	132	189	118	85	110	192	142	178	124

Table 8D. Monthly Rainfall in 1954; the Average, 1881-1915, being taken as 100 (concluded)

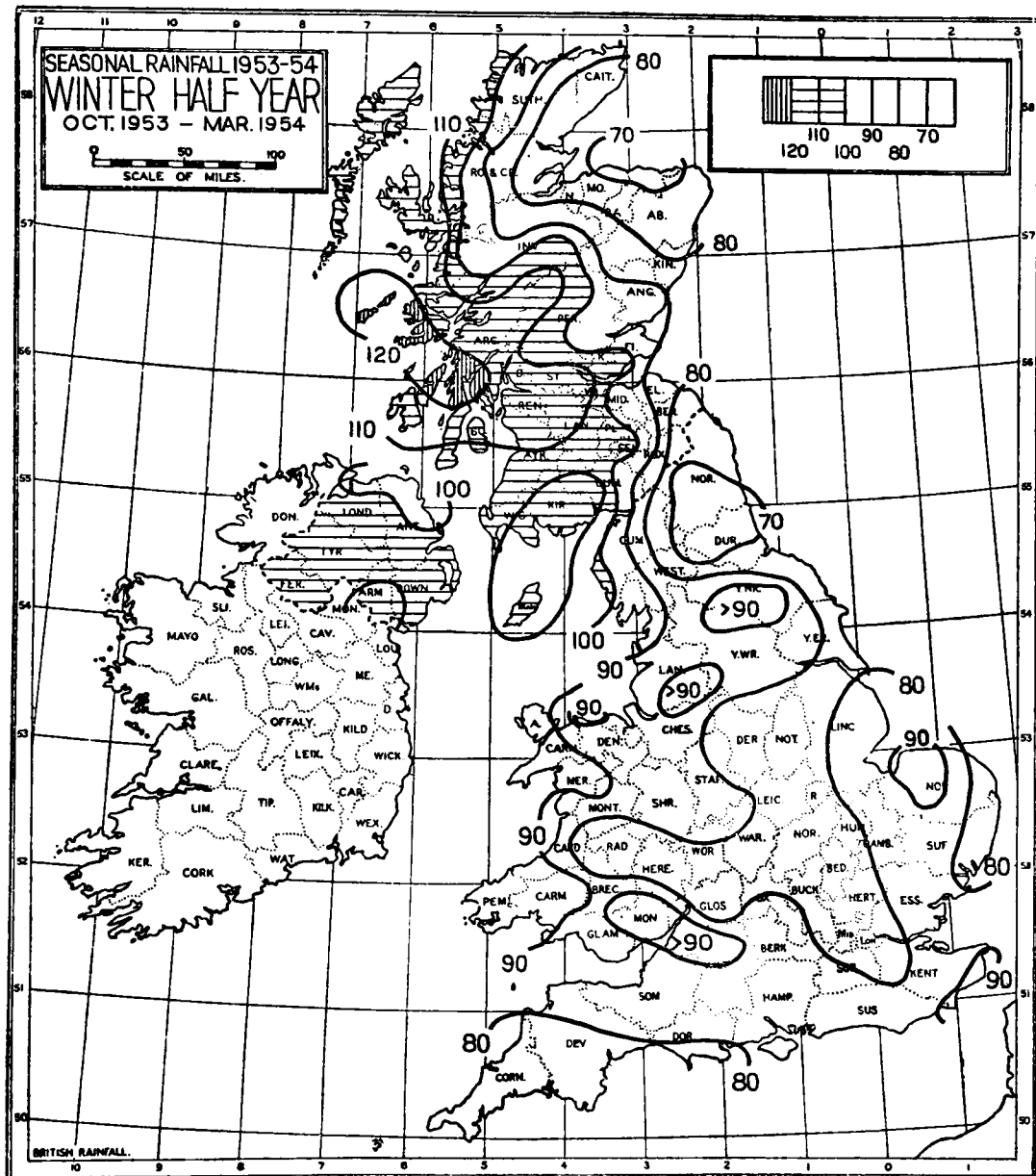
County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Shetland Islands	Lerwick Observatory	% 88	% 172	% 83	% 94	% 67	% 262	% 138	% 89	% 213	% 131	% 142	% 128	% 130
Fermanagh 1	Newtownbutler (Crom Castle)	69	160	147	32	118	74	123	81	176	209	152	97	120
Armagh 5	Armagh Observatory	74	166	136	24	166	91	160	62	178	193	155	119	127
Down 2	Seaford	85	160	142	23	174	93	113	76	182	197	198	117	131
Antrim 5	Aldergrove Airfield	100	164	109	18	144	118	129	61	111	193	155	109	118
" 5	Ballymena (Harryville)	103	127	92	23	152	120	116	56	149	210	142	136	120
Londonderry 3	Garvagh (Moneydig)	109	135	102	44	200	129	106	81	168	147	133	156	126
" 5	Londonderry (Creggan Reservoir)	114	121	93	59	172	129	112	96	168	144	120	132	121
Tyrone 3	Omagh (Edenfel)	92	159	117	53	175	132	174	80	162	235	137	128	137
England	(General Mean* 60 Stations)	87	131	117	26	131	136	121	145	133	111	187	89	†
Wales	(" " 11 ")	91	136	119	49	128	176	136	108	170	181	201	92	..
England and Wales . .	(" " 71 ")	87	131	117	29	131	142	124	139	139	122	189	89	..
Scotland	(" " 43 ")	101	97	89	65	157	143	106	102	156	190	149	137	..
Northern Ireland	(" " 8 ")	93	149	117	35	163	111	129	74	162	191	149	124	..

* The 'General' values given in the last five rows are obtained by taking the means of the percentage values for the stations. † See Table 10A.

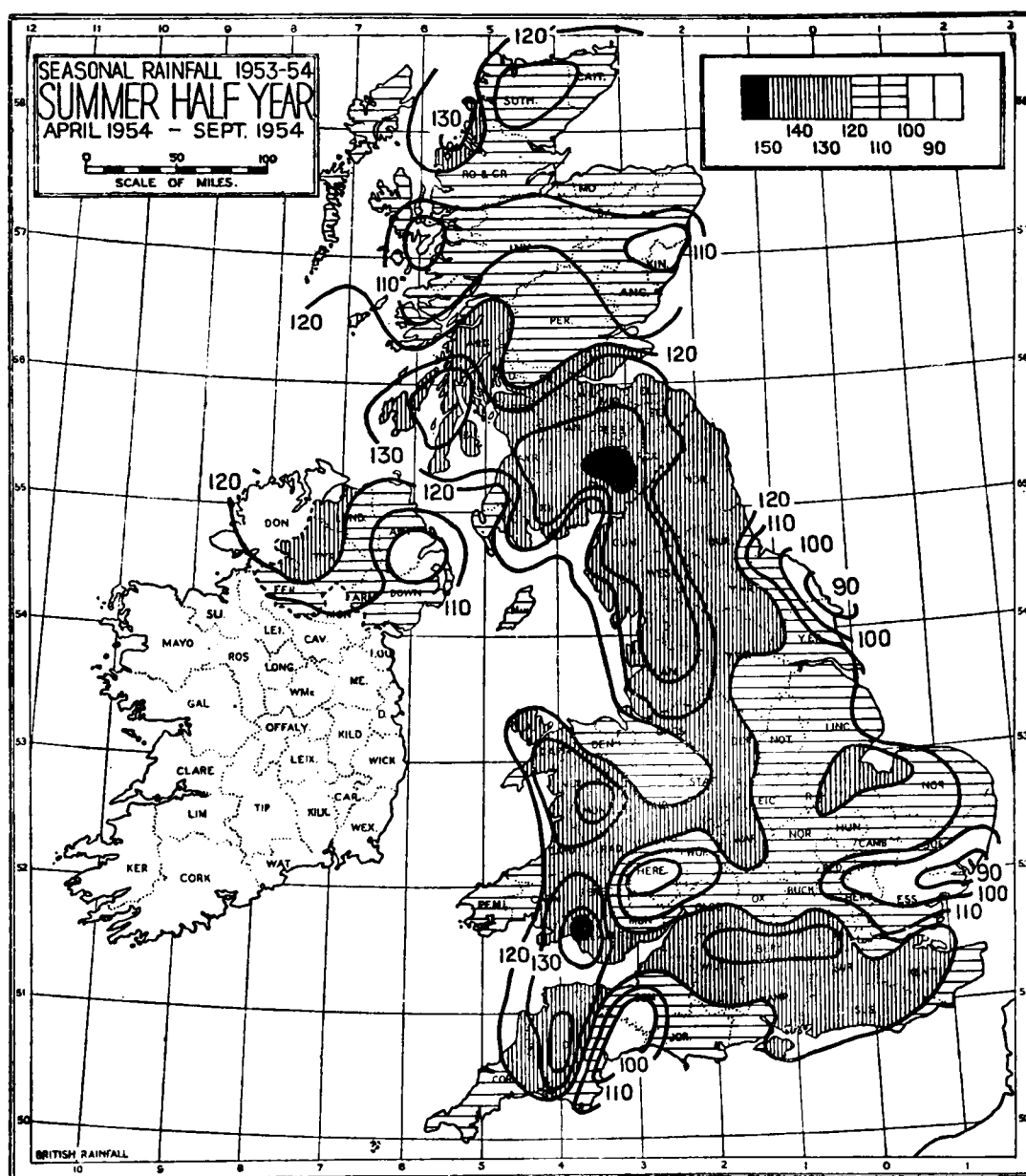
9 Seasonal Rainfall 1953-54

One defect of the calendar year as a unit of time for rainfall purposes is that the early part of a winter is included in one calendar year and the later part in another year. Thus there are definite advantages in considering the rainfall

of the winter and summer separately. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.



Rainfall, Winter Half-year, as per cent of average



Rainfall, Summer Half-year, as per cent of average

In this section the rainfall of the winter season, October 1, 1953, to March 31, 1954, and of the summer season, April 1, 1954, to September 30, 1954, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1953, to September 30, 1954. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived,

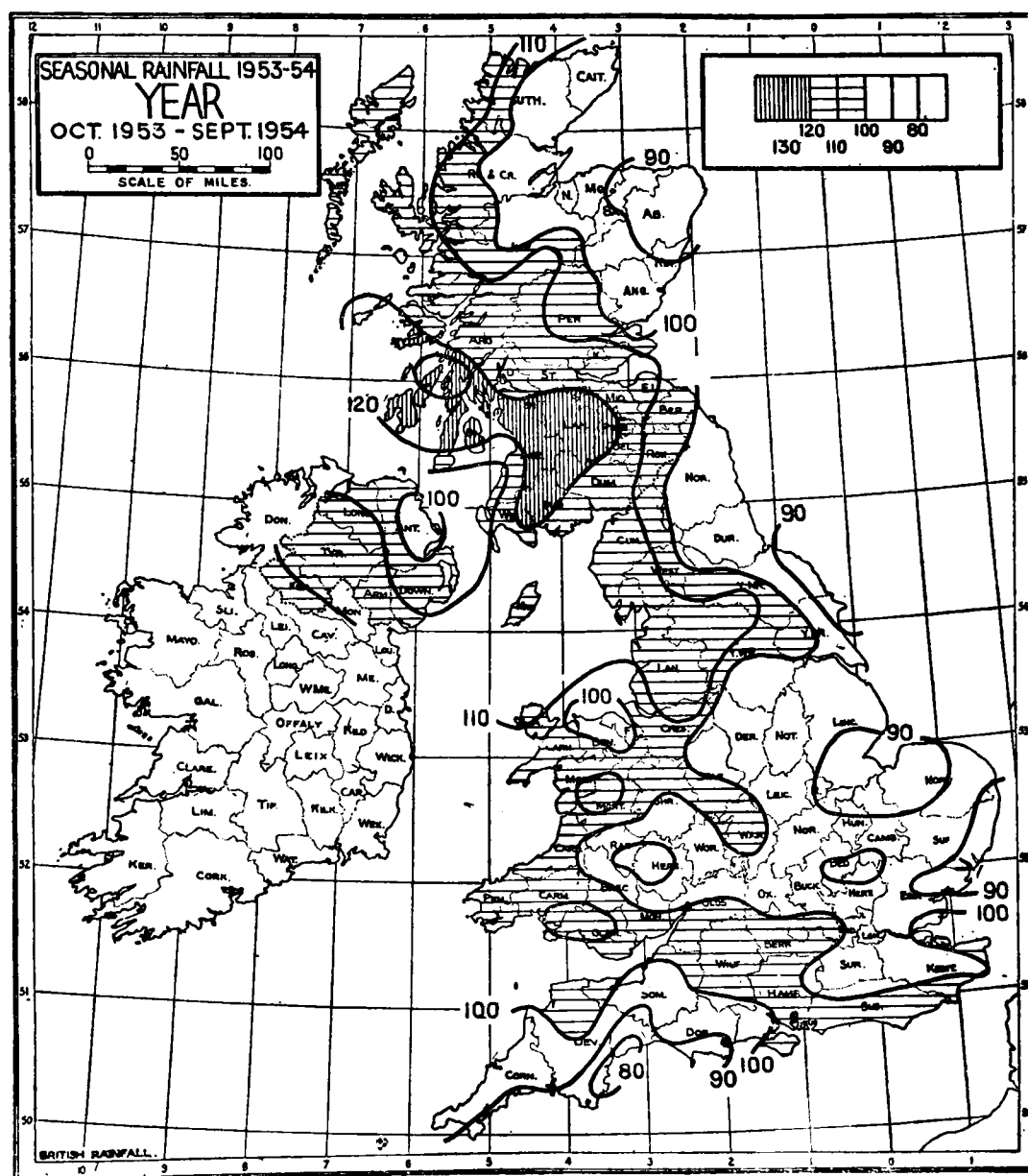
at least in part, from that which has been naturally stored during the previous winter season.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at each station. The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often

show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as possible, the same as those used in earlier volumes. The monthly percentage values for these stations are given in Table 8D and the

monthly and annual values in inches are included in Table 8c. Seasonal percentage values are given in Table 9B, for England and Wales and for Scotland, commencing with the winter October 1910 to March 1911, and for Northern Ireland commencing with October 1920 to March 1921. The corresponding values for England and Wales separately for 1953-4 are 81, 119, 99 and 88, 127 and 105 respectively.



Rainfall, Seasonal Year, as per cent of average

Table 9A. Seasonal Rainfall, 1953-54, as a Percentage of the Average, 1881-1915

Station†	Winter Oct. 1953- Mar. 1954	Summer Apr. 1954- Sep. 1954	Year Oct. 1953- Sep. 1954	Station†	Winter Oct. 1953- Mar. 1954	Summer Apr. 1954- Sep. 1954	Year Oct. 1953- Sep. 1954
St. Pancras (Camden Square)	76	115	95	Abergavenny (Plâs Derwen)	92	102	96
Dover (Waterloo Crescent)	91	110	99	Ystalyfera (Wern House)	86	158	115
Edenbridge (Falconhurst)	76	122	96	Cardiff (Penylan)	89	128	106
Compton (Compton House)	83	123	100	Llanddeusant (Pontcrynfe)	91	133	108
Worthing (Beach House Park)	88	121	102	Tenby (The Priory)	97	107	101
Southampton (East Park)	87	118	100	Birmingham W.W. (Tyrmynydd) ..	72	122	91
South Farnborough (R.A.E.)	82	122	99	Lake Vyrnwy (Experimental Station)	90	144	112
Royston (Therfield Rectory)	77	97	87	Blaenau Festiniog (Oakeley Quarry)	91	132	109
Slough (Upton)	79	135	105	Aberdovey (Plâs Penhelig)	87	134	108
Oxford (Radcliffe Met. Station) ..	83	116	99	Llandudno (Cricket Ground)	79	115	95
Wellingborough (Swanspool)	72	119	95	Llanterchymedd (Llwydiarth Esgob)	96	128	110
March	87	119	103	Douglas (Borough Cemetery)	113	114	114
Hatfield Broad Oak (Barrington) ..	89	94	92	Newton Stewart (Little Barraer) ..	110	139	122
Shoeburyness	82	124	102	Dumfries (Crichton Royal Institute)	115	122	118
Dovercourt	77	89	82	Eskdalemuir Observatory	93	152	116
Lowestoft (Secondary School)	73	105	89	Crailing	74	134	104
Bury St. Edmunds (Westley Hall)	85	112	98	Stobo Castle	107	143	123
Sandringham House Gardens	97	121	109	Marchmont House	78	128	102
Porton (C.D.E.E.)	86	122	101	North Berwick (Gasworks)	89	136	113
Aldbourn (Manor House)	91	132	110	Edinburgh (Blackford Hill)	99	136	118
Creech Grange	75	111	89	Hamilton W.W. (Townhill)	119	138	127
Beaminstor (East Street)	82	110	93	Colmonell (Knockdolian)	102	118	109
Princetown (H.M. Prison)	72	143	99	Glen Afton (Ayr Sanatorium)	107	142	122
Teignmouth (Den Gardens)	70	92	79	Greenock (Prospect Hill)	118	120	119
Ilfracombe (Bowling Green)	83	137	105	Rothsay (Ardencraig)	116	137	126
Bude (School House)	74	123	94	Morvern (Drimnin)	118	109	114
Penzance (Morrab Gardens)	78	119	94	Lochgilthead (Poltalloch)	124	142	132
St. Austell (Poltair Public Gardens)	72	118	90	Inveraray Castle Gardens	114	122	117
Scilly (Tresco Abbey)	79	113	92	Islay (Eallabus)	118	139	127
Taunton (Vivary Park)	87	94	90	Tiree Airport	123	125	124
Cirencester (Somerford Road)	79	127	101	Loch Leven Sluice	108	130	118
Vowchurch (Ladywell House)	79	95	86	Leuchars Airfield	97	101	99
Church Stretton (Sewage Works) ..	81	122	100	Loch Dhu	109	115	111
Shrewsbury (Monkmoor)	87	114	100	Crieff (Strathearn Hydro)	98	118	107
Malvern (Free Library)	79	107	93	Fincastle House	102	117	108
Leamington Spa (Pump Room Gardens)	79	124	101	Montrose (Sunnyside Asylum) ..	90	104	97
Birmingham (Edgbaston)	84	128	106	Braemar (Bank)	85	103	93
Thornton Reservoir	78	115	96	Dyce (Craibstone)	75	99	86
Boston (Black Sluice, Skirbeck) ..	86	123	104	New Deer (School House)	71	111	89
Skegness (Marine Gardens)	84	108	96	Fochabers (Gordon Castle)	65	114	90
Mansfield (Carr Bank)	75	117	95	Nairn (Achareidh)	73	114	94
Buxton (Terrace Slopes)	76	126	98	Glenshero	110	115	112
Birkenhead (Bidston Observatory) ..	87	120	103	Loch Ness (Garthbeg)	89	109	97
Manchester (Whitworth Park)	98	131	114	Loch Quoich (Glenquoich)	99	105	102
Squires Gate (Blackpool Airport) ..	83	135	110	Onich	107	119	112
Stonyhurst College	85	144	112	Fort William (Teviot)	100	110	104
Garstang (Grizedale Reservoir) ..	92	143	116	Skye (Broadford)	119	97	110
Wakefield (Clarence Park)	82	106	94	Skye (Duntulm, Kilmuir)	115	113	114
Hull (Pearson Park)	79	118	99	Tain (Mayfield)	72	117	93
Felixkirk (Mount St. John)	95	126	110	Inverbroom (Glackour)	86	118	98
York (Museum)	85	128	107	Achnashellach	98	113	104
Scarborough	75	86	81	Loch Shin (Corrykinloch)	98	101	99
Middlesbrough (Albert Park)	76	105	91	Lochinver (Bank House)	104	130	114
Baldersdale (Hury Reservoir)	69	128	95	Wick Airport	73	112	91
Newcastle (Leazes Park)	65	125	95	Lerwick Observatory	115	142	125
Bellingham (Highgreen)	69	124	94	Newtownbutler (Crom Castle) ..	104	101	103
Ilderton (Lilburn Tower Gardens) ..	74	127	98	Armagh Observatory	110	113	111
Geltsdale	78	143	109	Seaforde	102	108	105
Keswick (High Hill)	92	145	114	Aldergrove Airfield	103	96	100
Ravenglass (The Grove)	104	126	114	Ballymena (Harryville)	91	101	96
				Garvagh (Moneydig)	100	119	109
				Londonderry (Creggan Reservoir) ..	100	121	110
				Omagh (Edenfel)	107	128	116

† For Counties see Table 8D.

During the *winter half-year*, in each country, four months were drier than average, and only two wetter. The rainfall of October and December was appreciably below the average, February rainfall was much above average over England and Wales and Northern Ireland, whilst November rainfall was much above average over Scotland. Over England and Wales it was the second consecutive winter with rainfall substantially below average, and there was only one drier winter in the previous nine years. Over Scotland the winter rainfall was about average and only four of the last twelve winters gave more than the average. Over Northern Ireland, which had 102 per cent of average, only three of the last eight winters were wetter. The total rainfall failed to reach the average over practically the whole of England and Wales, over much of eastern Scotland and locally in Northern Ireland. The extreme percentage values ranged from 65 at Newcastle-upon-Tyne and at Fochabers, Morayshire, to 124 at Lochgilphead, Argyllshire.

In the *summer half-year* the rainfall exceeded the average in all months, except April, over England and Wales, and Scotland, and in all months except April and August over Northern Ireland. The general rainfall of each country

exceeded the average. Of the last twelve summers ten had more than the average rainfall over England and Wales, and Scotland, and nine over Northern Ireland. Most districts received more than average, although there was a deficiency to the east of Dartmoor, in Herefordshire and Essex, near Scarborough, around Aberdeen and Skye as well as at Belfast. The lowest percentage values recorded were 86 at Scarborough and 89 at Dovercourt in Essex. Many districts in the west, as far north as the Central Lowlands of Scotland, recorded more than 130 per cent, the largest values being 158 at Ystalyfera, in Glamorgan, and 152 at Eskdalemuir, Dumfriesshire.

The rainfall of the *seasonal year* was close to the average over England and Wales. Over Scotland and Northern Ireland it was the wettest year since 1949–50. The areas with rainfall in excess of the average were mainly in the west; those with less were mainly in the east and south. The extreme percentage values ranged from 132 at Lochgilphead, Argyllshire, to 79 at Teignmouth and 81 at Scarborough.

An interesting feature was that the general trend of comparatively dry winters and wet summers, which had predominated since 1941, was continued.

Table 9B. Serial Values of Seasonal Rainfall as Percentage of 1881-1915 Average
 Winter half-year: October to March. Summer half-year: April to September.
 Seasonal Year: October to September.

Oct.-Sept.	ENGLAND AND WALES			SCOTLAND			NORTHERN IRELAND		
	Winter	Summer	Year	Winter	Summer	Year	Winter	Summer	Year
1910-11 ..	106	77	93	89	89	89	—	—	—
11-12 ..	136	132	134	114	100	108	—	—	—
12-13 ..	113	88	102	116	85	104	—	—	—
13-14 ..	102	85	95	105	85	97	—	—	—
14-15 ..	131	97	116	114	85	102	—	—	—
15-16 ..	126	96	113	108	110	110	—	—	—
16-17 ..	101	121	110	99	99	100	—	—	—
17-18 ..	85	130	105	109	110	111	—	—	—
18-19 ..	117	81	101	94	90	92	—	—	—
19-20 ..	108	129	117	118	101	111	—	—	—
1920-21 ..	77	66	72	98	87	93	116	77	98
21-22 ..	95	115	104	102	104	103	110	108	109
22-23 ..	94	104	98	88	132	107	96	116	105
23-24 ..	100	147	121	95	134	112	104	152	126
24-25 ..	113	111	112	104	109	106	101	111	106
25-26 ..	100	105	102	97	106	101	103	104	103
26-27 ..	108	145	125	105	139	120	100	107	104
27-28 ..	118	90	105	119	105	113	124	108	117
28-29 ..	89	76	83	85	106	94	99	93	96
29-30 ..	146	127	138	115	112	114	126	108	118
1930-31 ..	103	146	123	110	108	110	112	118	115
31-32 ..	75	122	96	96	105	99	86	104	94
32-33 ..	102	75	90	111	80	97	105	71	89
33-34 ..	74	89	79	77	123	97	70	116	92
34-35 ..	102	113	107	100	109	104	98	94	96
35-36 ..	131	111	122	108	90	100	117	112	114
36-37 ..	128	93	112	110	93	103	123	98	111
37-38 ..	81	91	86	84	115	98	82	106	93
38-39 ..	130	98	115	130	83	110	140	87	115
39-40 ..	119	76	99	80	100	89	120	90	105
1940-41 ..	134	89	113	102	86	95	120	80	101
41-42 ..	87	99	92	94	111	100	117	124	120
42-43 ..	97	102	99	99	122	109	94	119	106
43-44 ..	70	104	85	89	108	98	83	112	97
44-45 ..	109	104	106	118	113	116	120	112	116
45-46 ..	89	138	111	86	115	98	91	121	105
46-47 ..	122	85	105	84	112	95	97	110	103
47-48 ..	88	112	99	100	134	115	109	108	109
48-49 ..	76	77	76	107	92	100	104	81	93
49-50 ..	117	132	123	118	144	129	110	154	131
1950-51 ..	122	116	119	98	105	100	101	95	98
51-52 ..	102	104	103	102	98	100	98	82	90
52-53 ..	84	116	98	77	116	94	77	103	89
53-54 ..	81	119	99	100	121	109	102	111	106
Average (in.) 1881-1915 ..	19·61	15·62	35·23	29·20	21·12	50·32	20·94	18·72	39·66

10 The Total Fall of Rain in 1954

The General Table, which forms Part II of this volume, gives the total rainfall for the year at over 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. As the distribution is affected by the orography of the country, the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1954 rainfall exceeded the average for the standard period 1881-1915, while red indicates areas with rainfall below this average. Isopleths on the 1954 map are drawn through places where the values of rainfall were respectively 100, 110, 120, 130, 140 and 150 per cent of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

The map reproduced as a frontispiece to this volume shows that in 1954 the only part of the country to record less than the average was in the neighbourhood of the Thames Estuary. Totals were less than 110 per cent in parts of the south and east of England, as well as around Aberdeen and in parts of Ross-shire. The percentage values were generally larger in the west than in the east, and large areas between South Wales and Argyll and Stirling recorded more than 140 per cent. Rather

more than 150 per cent was reported from the Rhondda Valley, central Lancashire, part of the English Lake District and to the north of Dumfries. The largest percentage values include 158 at Darwen, 153 at Preston, 152 at Drumlanrig (Dumfries), 151 at Ambleside and 150 at Treherbert. At Keswick (Cumberland), in parts of central Lancashire and at Ystalyfera (Glamorgan) 1954 ranks as the wettest year on record since before 1869.

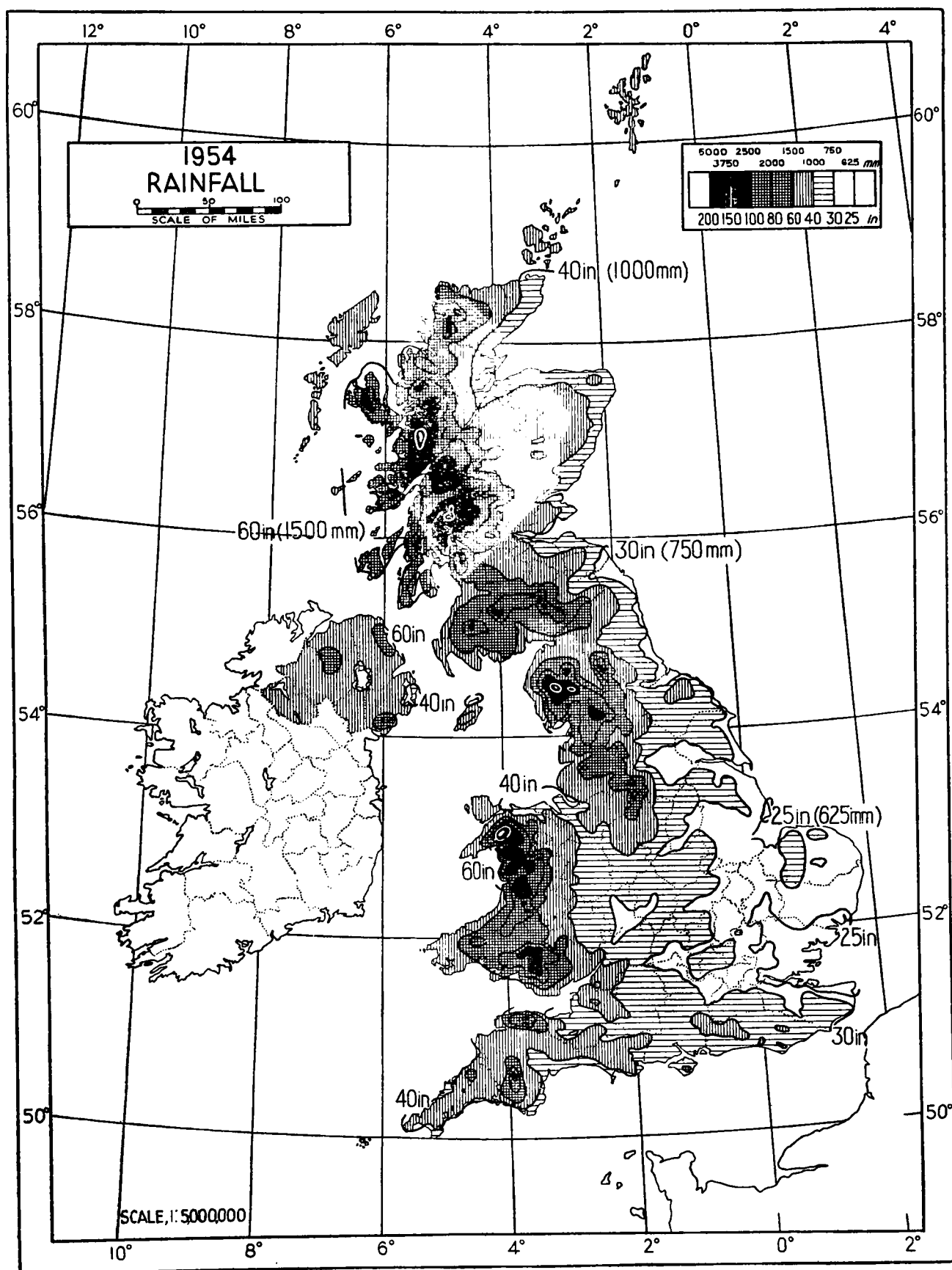
Only twice during the last 86 years has the variation from average been in the same direction everywhere. That occurred in the wet years 1903 and 1872, and 1954 nearly attained that distinction. The main feature of the distribution of the rainfall of 1954 was the excess rain in the west, associated with the predominance of westerly, cyclonic pressure systems. Years with a similar distribution were 1928, 1938 and 1948.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country, which are set out in Table 10A.

Table 10A shows that over England and

Table 10A. General Rainfall, 1954, compared with average

Countries	No. of Stations	Average 35 years 1881-1915	1954	
			Per cent	Rainfall
England ..	122	in. 32·67	120	in. 39·1
Wales	18	50·14	132	66·2
England & Wales	140	35·23	121	42·7
Scotland ..	63	50·32	127	64·0
Northern Ireland	12	39·66	125	49·6
Whole area ..	215	40·33	123	49·7



Wales 1954 gave more than the average by 7·5 inches; Scotland by 13·7 inches and Northern Ireland by 9·9 inches. The total over England and Wales was exceeded in only seven years in the series of general values since 1869:—1951, 1927, 1912, 1903, 1882, 1877 and 1872. Over Scotland only 1903, 1877 and 1872 were wetter with 65·1, 65·7 and 67·5 inches respectively. Over Northern Ireland 1954 was the wettest year since 1928, with 51·2 inches. Taking England, Wales and Scotland together, 1954 ranks as the wettest year since 1903.

The general distribution of the actual rain-

fall in 1954 as shown on the accompanying map is similar in its main features to that of other years. Falls of less than 25 inches were restricted to an area extending from London to Margate in the south and Cambridge to Felixstowe in the north, and to the neighbourhood of Skegness. Totals of more than 100 inches were more widespread than usual, occurring in the mountainous districts of the west from Dartmoor and Exmoor to Skye and Sutherland. Totals for the year exceeded 200 inches locally in Snowdonia, the English Lake District and the Western Highlands of Scotland.

Among the largest totals recorded for the year, the following are of interest:—

					<i>In.</i>
England	..	..	Cumberland, Sprinkling Tarn	..	257·00
Wales	..	..	Caernarvonshire, Snowdon (Grib Goch)	..	227·50
Scotland	..	..	Inverness-shire, Loch Quoich (Cruadhach)	..	194·38
Northern Ireland	..	..	County Down, Mourne Mts. (Slieve Lamagan)	..	88·05

Notable among the smallest totals during the year were:—

England	..	..	Essex, Burnham Fisheries Laboratory	..	19·80
Wales	..	..	Flintshire, Rhyl (Westbourne Avenue)	..	30·90
Scotland	..	..	East Lothian, Dunbar (Public Park)	..	24·66
Northern Ireland	..	..	County Down, Donaghadee (Orlock Reservoir)	..	36·86

Table 10B. Rainfall of 1954 as Percentage of Average, 1881-1915*

County	Station	Per cent of Average	County	Station	Per cent of Average
ENGLAND					
Surrey ..	Reigate (Wray Park Road) ..	112	Yorks, E.R.	Holme on Spalding Moor ..	123
Kent ..	Margate	97	.. ..	Lowthorpe (The Elms) ..	112
.. ..	East Malling (Research Stn.) ..	100	.. N.R.	Leyburn (Bolton Hall) ..	133
.. ..	Bromley	113	.. ..	Guisborough (Lockwood Res.)	121
Sussex ..	Horsham (Sewage Displ. Wks.)	114	Durham ..	Barnard Castle (Bowes Museum)	123
.. ..	Eastbourne (Wilmington Sq.)	120	.. ..	Durham (Houghall Hort. Stn.)	121
Hampshire ..	St. Catherine's Pt. Lighthouse	124	.. ..	Burnhope (Lodgell Mine) ..	135
.. ..	Portsmouth (Southsea Common)	118	Northumb ..	Hallington (Fawcett) ..	123
Berkshire ..	Shinfield (Univ. Hort. Farm)	114	.. ..	Morpeth (Cockle Park) ..	112
Hertford ..	Harpندن (Rothamsted) ..	109	.. ..	Howick Hall Gardens ..	107
.. ..	Royston (Earls Hill House) ..	108	Westmorland	Patterdale Hall	146
Buckingham ..	Oving House	114	.. ..	Ambleside	151
Northampton	Kettering (Sewage Works) ..	121	WALES		
Bedford ..	Woburn (Experimental Farm)	117	Glamorgan	Treherbert (Tyn-y-waun) ..	150
Essex ..	Clacton-on-Sea (Hospital) ..	108	Pembroke ..	Pembroke (Stackpole Court) ..	128
.. ..	Halstead (The Brewery) ..	106	.. ..	Haverfordwest (Hospital Grds.)	126
Norfolk ..	Sprowston	110	Cardigan ..	Aberporth	125
.. ..	Cromer (Howards Hill) ..	125	Montgomery ..	Newtown (Penarth Weir) ..	137
.. ..	Theford (Waterworks) ..	117	Flint ..	Bodfari (Nantlys)	117
Wiltshire ..	Larkhill (School of Artillery)	129	Denbigh ..	Wrexham (Pack Saddle Res.)	130
Dorset ..	Weymouth (Westham) ..	116	SCOTLAND		
Devon, S. ..	Plymouth (Mount Batten) ..	113	Wigtown ..	Port William (Monreith) ..	130
.. N. ..	Torrington (Caynton House)	110	Kirkcudbright	Dalry (Forrest Lodge) ..	145
Cornwall ..	Newquay (Mount Wise) ..	114	Dumfries ..	Canonbie (Irvine House) ..	143
.. ..	Camelford (Stannon Clay Wks.)	124	Midlothian ..	West Calder (Addiewell) ..	138
.. ..	Falmouth	111	Ayr ..	Stevenston (Greenhead Filters)	133
Somerset ..	Bath (Henrietta Park) ..	124	.. ..	Prestwick	135
.. ..	Long Ashton (Research Stn.)	131	Argyll ..	Carradale (Torrisdale Castle) ..	136
.. ..	Street (Millfield)	129	.. ..	Loch Eck (Benmore)	141
.. ..	Milverton (Spring Grove) ..	107	.. ..	Colonsay	141
Gloucester ..	Cheltenham (Montpellier Gdns.)	115	Perth ..	Glengyle	124
Hereford ..	Ross-on-Wye	112	.. ..	Perth (Wellshill Cemetery) ..	137
Stafford ..	Stafford (Victoria Pleasure Gd.)	127	Angus ..	Kirriemuir (Lintrathen) ..	132
.. ..	Leek (Wall Grange Pump Stn.)	126	Aberdeen ..	Logie Coldstone School ..	113
Worcester ..	Stourport (Lincombe Lock) ..	116	Banff ..	Banff	125
Lincoln ..	Spalding (Pode Hole)	125	.. ..	Ballindalloch	124
.. ..	Cranwell Airfield	116	Inverness ..	Inverness (Culduthel Res.) ..	115
.. ..	Revesby Reservoir	121	.. ..	Arisaig House	131
.. ..	Lincoln (Skellingthorpe Hall)	116	Ross & Crom.	Applecross Gardens	109
.. ..	Brigg (Wrawby Road) ..	115	Sutherland ..	Strath Oyckell (Rosehall) ..	115
.. ..	Cleethorpes (Kings Parade) ..	113	.. ..	Melvich Hotel	120
Nottingham ..	Nottingham (The Castle) ..	122	NORTHERN IRELAND		
Cheshire ..	Northwich (Hunts Lock) ..	131	Down ..	Waringstown (The Forge) ..	119
Lancs, C. ..	Wigan W.W. (Worthington) ..	144	Antrim ..	Belfast (Queen's University) ..	127
.. N. ..	Barrow-in-Furness (Gasworks)	131	Londonderry	Glendra Lodge	121
.. ..	Morecambe	144	Tyrone ..	Sion Mills (Sion House) ..	135
Yorks, W.R.	Sheffield (Weston Park) ..	127			
.. ..	Huddersfield (Oakes)	135			
.. ..	Skipton (Chelker Reservoir) ..	123			
.. ..	Knaresborough (Water Tower)	126			

* See also Table 8D, pp. 70-73.

11 Evaporation and Percolation in 1954

The purpose of this section is to bring together certain groups of data which have some bearing on the subsequent history of the water which reaches the surface as precipitation. These data, derived from measurements of evaporation, percolation and drainage, were discussed in *British Rainfall* 1951 and 1952, particular attention being drawn to the nature of the instruments used and to the limitations of the measurements made. These matters are given only a brief mention in the present summary.

The 13 *evaporation gauges* are mostly of standard dimensions, 6 feet square and 2 feet deep, the rim projecting about 3 inches above the ground, as described in *British Rainfall* 1939. Details of individual gauges are given in Table 11A. The 10 *percolation gauges*, grouped at four stations, are of various dimensions as given in Table 11B, and some have a surface of bare soil while others carry a crop of turf.

The 6 *drainage gauges*, grouped at two stations (Table 11C), differ from the more usual form of percolation gauge. The simple *seepage gauges* (two at Prescot and two at Lake Vyrnwy) have a depth of 11 or 9 inches respectively, which is regarded as the depth of the top layer of productive soil. In the remaining two at Lake Vyrnwy, the water draining from the base of the seepage column is led to the base of a cylinder 6 feet deep through which it percolates upwards through a chalk core covered by exposed soil. The resultant drainage flows out through a pipe fixed just below the soil surface at the top of the percolation column. This combined seepage-percolation gauge was designed to simulate the processes which operate in the formation of a spring.

Data for 1954

Monthly and annual values of evaporation, as recorded at 13 stations in Great Britain, are given in Table 11A. The list of stations is the same as in 1953 except that the record for Talla Water has been omitted.

The year as a whole was dull, cool and wet, and these characteristics were very marked during most of the summer half-year. About 85 per cent of the annual evaporation total can normally be expected during this period, and it is therefore not remarkable that evaporation was less than usual, in some places by considerable amounts. The deficiency during the four months, May to August, was about 15 per cent. Some months showed evaporation rates larger than usual:—January, April and September had sunny periods, while October and December had mean temperatures appreciably above average. April was in fact the sunniest month of the year, and with low rainfall combined with spells of drying winds, evaporation approached that of the midsummer months. The annual totals were not in general abnormally small, having been matched at several stations in the last three or four years and at nearly all since 1940. The three exceptions are Bartley with the lowest total since records began in 1932, Lower Laithe with the lowest since 1924, and Harrogate with the lowest for more than 40 years (probably since 1907, though it is not possible to be certain since the record in the earliest years is not homogeneous).

Considerable doubt exists about the evaporation data for several of the stations during the months of January and February, and to a much lesser degree in March and December. The difficulties of measurement in

these periods were accentuated by spells of frost, and in some cases it has been impossible to estimate whether such readings as were made were correct, or if not, how to correct them. The errors must, however, be small and have little effect on either the annual totals or the general seasonal trends.

Percolation gauges. In Table 11B the data for 10 percolation gauges are given; the list of stations is the same as in 1953. These data were contributed by the Engineer, Portsmouth Water Co.; the Director, Lawes Agricultural Trust; the Managing Director, Cambridge Waterworks Co.; and the Water Engineer, Harrogate Waterworks. In 1954, as in 1953, the mean inferred evaporation was again very little different (only just over 1 inch) from the mean loss from the evaporation tanks. The table shows that it was only in one month, April, that there was any likelihood of a significant soil-moisture deficit building up to restrict evaporation from the percolation gauges. For the remainder of the year rainfall was sufficient, or more than sufficient, to keep pace with potential evapo-transpiration,

and indeed the inferred evaporation from the deep (48 in.) turfed gauge at *Farlington* amounted to 18·77 inches compared with 19·02 inches from the tank at *Otterbourne*, about 17 miles northwest. This very close agreement suggests that although percolation through some of the gauges during the summer months was very low, there was nevertheless sufficient moisture added as rainfall to the soil to maintain evapo-transpiration near to its maximum rate (in the meteorological conditions prevailing).

Drainage gauges. The 1954 data for the drainage gauges at Prescot and Lake Vyrnwy, supplied by the Engineer, Liverpool Corporation Waterworks, are set out in Table 11c. The difference between the seepage through bare soil and turfed gauges at Prescot and Lake Vyrnwy has continued to be the reverse of what one would expect. No explanation of this peculiarity has been found. At Lake Vyrnwy the rainfall is taken from an octapent *rain-gauge* sunken with the rim one inch above ground and a felt surround to minimize any risk of insplashing.

Table 11A. Evaporation in 1954

List of Stations	County	Observer	Particulars of Tank					
			Height above		Side	Capa- city		
			Ground	Sea Level				
			ft.	in.	ft.	in.	Gals.	
Camden Square	London	2	Royal Meteorological Society	0	3	111	6 0	450
Kew Observatory	Surrey	5	Meteorological Office	0	3	18	6 0	450
Otterbourne	Hampshire	5	J. Hawksley, Esq.	0	3	112	6 0	450
Rothamsted	Hertfordshire	2	Lawes Agricultural Trust	0	3	420	6 0	450
Ormesby St. Michael	Norfolk	2	Gt. Yarmouth Waterworks	0	3	21	6 0	450
Bartley Reservoir	Warwickshire	4	C. A. Risbridger, Esq., M.I.C.E.	0	3	611	6 0	450
Revesby Reservoir	Lincolnshire	3	D. H. Ball, Esq.	0	6	124	6 0	450
Southport	Central Lancashire	3	The Corporation	0	3	37	3 0	112
Ardsley Reservoir	Yorkshire W.R.	8	Wakefield Corpn. Waterworks	0	3	392	6 0	450
Lower Laithe Reservoir	"	9	Keighley Corpn. Waterworks	0	6	772	6 0	450
Harrogate	"	11	J. B. Pooley, Esq.	0	3	549	6 0	450
Lake Vyrnwy (Exp'l Stn.)	Montgomeryshire	5	Liverpool Corpn. Waterworks	0	3	995	6 0	450
Wrexham	Denbighshire	1	S. E. Ashmore, Esq.	0	3	275	4 0	300

1954	Camden Square	Kew	Otterbourne	Rothamsted	Ormesby St. Michael	Bartley	Revesby	Southport
January	<i>in.</i> .28	<i>in.</i> .50	<i>in.</i> .26	<i>in.</i> .28	<i>in.</i> .32	<i>in.</i> .17	<i>in.</i> .51	<i>in.</i> .03
February	.50	.81	.91	.14	.11	.25	.33	.08
March	.78	1.10	1.39	.91	.71	.76	.53	.66
April	2.19	2.48	2.40	2.23	1.69	1.59	1.67	1.57
May	2.57	2.95	2.57	2.42	2.06	1.69	2.39	2.26
June	2.68	3.13	2.67	2.76	2.51	2.15	2.34	2.58
July	2.72	3.36	2.79	2.83	2.50	2.23	1.94	2.60
August	1.87	2.45	2.24	2.08	1.89	1.82	1.48	2.21
September	1.51	2.21	1.91	2.01	1.61	1.98	1.83	1.40
October	.61	1.09	.90	.99	.88	.89	1.25	.74
November	.01	.46	.58	.53	.67	.56	.40	.52
December	.37	.51	.40	.41	.42	.31	.63	.27
Year	16.09	21.05	19.02	17.59	15.37	14.40	15.30	14.92
Average 1908-42	..	..	19.71	..	17.26	17.19	..	15.82
Difference	..	..	-.69	..	-1.89	-2.79	..	-.90

1954	Ardsley	Lower Laithe	Harrogate	Lake Vyrnwy	Wrexham	Mean of 13 records	Average 1908-1942
January	<i>in.</i> .47	<i>in.</i> .05	<i>in.</i> .22	<i>in.</i> .19	<i>in.</i> .54	<i>in.</i> .29	<i>in.</i> .14
February	.22	c .20	.00	.15	.33	.28	.29
March	.60	c .42	.46	.64	1.40	.80	.79
April	1.71	1.80	1.79	1.84	2.66	1.97	1.62
May	2.21	1.83	1.99	2.27	3.03	2.33	2.53
June	2.63	2.27	2.21	2.61	3.15	2.59	3.07
July	2.50	2.13	2.44	2.07	2.03	2.47	2.98
August	1.63	1.42	2.05	1.79	2.42	1.95	2.44
September	1.61	2.05	1.98	1.86	2.52	1.88	1.59
October	.88	.12	1.25	1.86	1.44	.99	.84
November	.37	.07	.87	1.77	.67	.58	.34
December	.48	c .14	.58	.96	.48	.44	.15
Year	15.31	11.72	15.84	18.01	20.67	16.57	16.78
Average 1908-42	17.59	15.10	19.53	..	..	..	..
Difference	-2.28	-3.38	-3.69	..	..	..	..

NOTE.—In the Table "c" indicates an excess of condensation over evaporation.

Table 11B. Rainfall, Percolation and Inferred Evaporation in 1954

1954	Farlington, Hants Gauges 36-inch diameter					Rothamsted, Herts 1000 acre gauges			Fleam Dyke, Cambs 1000 acre gauges			Harrogate Yorks 3 ft. x 3 ft. x 3 ft.						
	Rain- fall	Percolation				Rain- fall†	Percolation*		Rain- fall	Percolation		Rain- fall	Perco- lation soil					
		24" 36" 48" Chalky Marl**		36" Sand||	36" Chalk||		20" Soil	60" Soil		36"* Chalk	36"‡ Chalk							
		in.	in.	in.	in.													
January ..	2.24	1.33	1.31	1.31	1.35	in.	1.36	1.11	in.	.87	1.01	in.	.86	in.	.96	in.	1.69	1.83
February ..	3.14	3.04	2.88	2.93	3.16	2.91	2.91	2.25	1.23	1.65	1.97	1.50	1.27	2.40	1.65	1.65	2.40	1.65
March ..	3.34	2.33	2.36	2.48	2.47	2.40	2.40	2.51	1.20	1.13	1.93	.52	.19	1.79	1.46	1.46	1.79	1.46
April ..	.19	.21	.22	.24	.25	.26	.26	.27	.16	.22	.39	.26	.04	.33	.36	.36	.33	.36
May ..	2.40	.00	.00	.01	.01	.00	.00	2.33	.16	.17	2.92	.00	.62	4.54	1.18	1.18	4.54	1.18
June ..	3.02	.45	.20	.01	.17	.10	.10	3.53	1.94	2.00	1.64	.21	.54	1.77	.64	.64	1.77	.64
July ..	3.87	.00	.00	.01	.01	.00	.00	3.47	.85	.81	2.70	.00	.44	1.14	.07	.07	1.14	.07
August ..	3.32	1.11	.88	.51	.68	.94	.94	3.55	1.62	1.57	3.71	2.19	2.21	6.43	3.71	3.71	6.43	3.71
September ..	2.72	.05	.01	.03	.03	.02	.02	1.77	.00	.00	1.47	.00	.21	2.57	.76	.76	2.57	.76
October ..	2.43	1.23	.82	.51	.52	.72	.72	1.90	.70	.56	1.51	.00	.04	3.89	3.20	3.20	3.89	3.20
November ..	5.82	5.54	5.28	5.14	5.02	5.24	5.24	5.13	4.64	4.64	2.58	3.00	2.85	5.45	4.91	4.91	5.45	4.91
December ..	3.30	3.59	3.57	3.84	3.90	3.80	3.80	1.96	1.76	1.85	1.43	2.08	1.72	3.22	2.70	2.70	3.22	2.70
Year.. ..	35.79	18.88	17.53	17.02	17.57	17.75	17.75	29.78	15.07	15.47	23.26	10.72	10.99	35.22	22.47	22.47	35.22	22.47
Inferred Evaporation	..	16.91	18.26	18.77	18.22	18.04	18.04	..	14.71	14.31	..	12.54	12.27	..	12.75	12.75	..	12.75

† Values obtained from 5 inch gauge.

* Through bare unworked soil.

** Depths include 12 in. of top soil and turf.

|| Depths include 6 in. of top soil and turf.

† Through turfed soil.

Table 11c. Drainage Observations in 1954

1954	Prescot, Lancashire			Lake Vyrnwy, Montgomeryshire				
	Rainfall	Seepage* Gauges		Rainfall	Seepage* Gauges		Percolation† Gauges	
		Bare Soil	Turfed Soil		No. 1 Bare Soil	No. 2 Turfed Soil	No. 3 Grass covered over chalk	No. 4
	in.	in.	in.	in.	in.	in.	in.	in.
January ..	3.31	3.00	2.76	6.28	5.14	4.94	5.30	5.16
February ..	2.84	1.55	2.21	5.80	6.80	6.82	6.27	5.89
March ..	2.48	1.05	1.55	5.60	5.04	5.07	4.96	5.05
April ..	.87	.30	.48	1.90	1.75	1.76	1.80	1.76
May ..	2.49	.44	.04	5.00	2.67	2.75	2.60	2.79
June ..	3.35	1.43	1.38	5.60	3.71	3.90	3.74	3.79
July ..	4.62	1.30	1.61	7.05	5.17	5.35	5.50	5.48
August ..	5.64	2.99	3.44	4.90	3.37	3.68	3.46	3.56
September ..	3.85	1.24	1.80	8.55	6.88	6.84	6.68	6.77
October ..	5.88	4.33	5.26	13.75	13.09	12.97	12.33	13.01
November ..	6.07	4.56	5.88	12.75	11.80	12.51	11.32	11.50
December ..	4.12	3.03	4.04	8.23	8.27	8.21	8.22	8.05
Year ..	45.52	25.22	30.45	85.41	73.69	74.80	72.18	72.81
Soil Evaporation	..	20.30	15.07	..	11.72	10.61	13.23	12.60

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.

† The receiving surfaces of the Percolation gauge are together thirteen times the receiving surface of a 5-inch diameter rain-gauge.

METEOROLOGICAL OFFICE

BRITISH RAINFALL ORGANIZATION

BRITISH RAINFALL, 1954

PART II

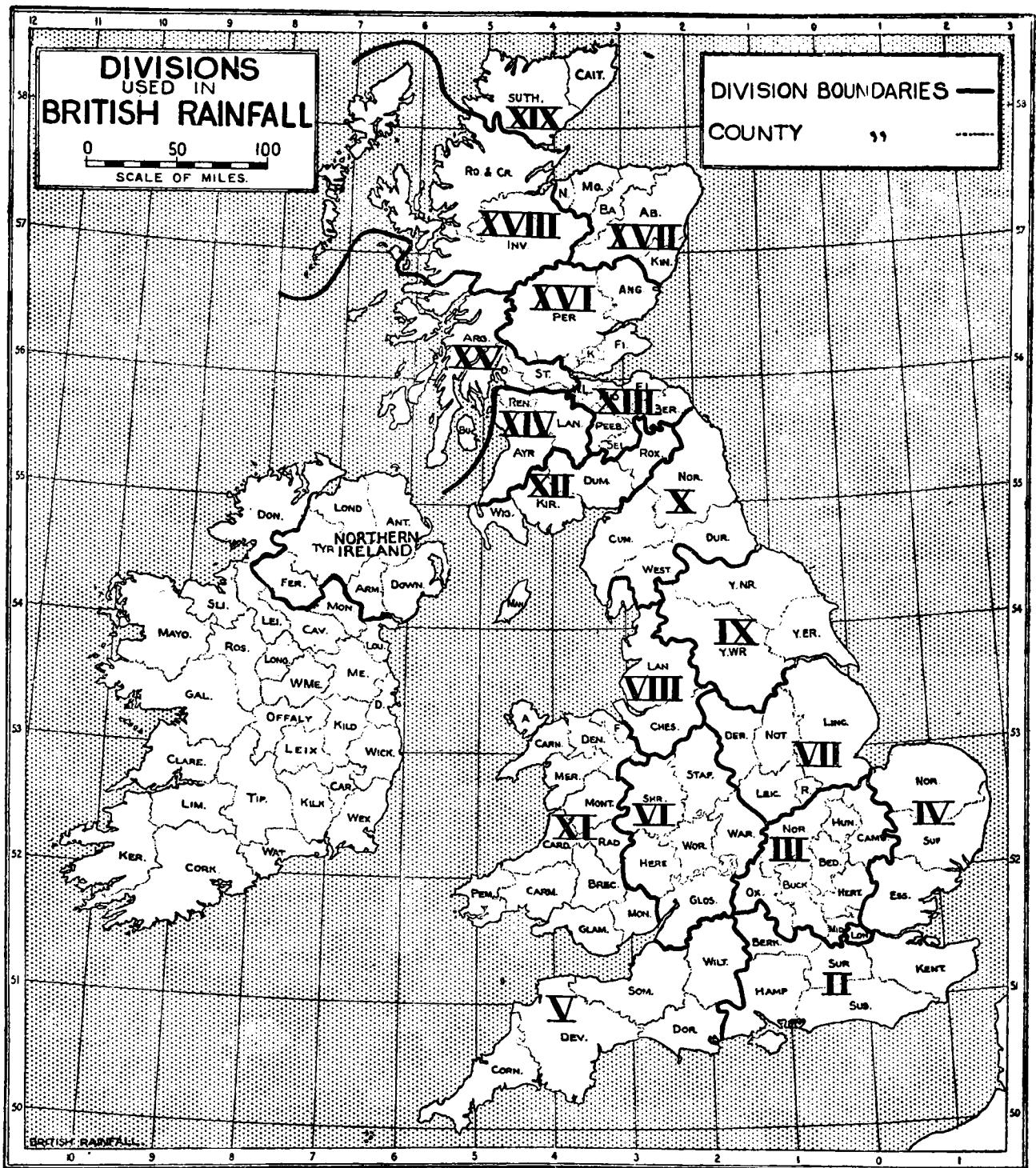
General Table of

Total Rainfall in 1954

at Stations in Great Britain and Northern Ireland with the names
of the Observers or other Authorities
for the Observations

M. O. 609 a

AIR MINISTRY



General Table of Total Rainfall in 1954

EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37-66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40-72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of some river basins have been redetermined since these lists were first published. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire there are four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber. To the names of river-divisions "& C" is added to indicate "and other streams flowing into the sea," while "& c" means "and some land draining to the main river."

An index of River Basins, indicating the various river-divisions in each county included in the main river-basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, e.g. "Royston (Therfield Rectory)" means Therfield Rectory, near Royston. There is an exception where the position of stations on open moors can be related better to a waterworks undertaking and in these instances the authority is given initially.

Stations the names of which are printed in small capitals, e.g. KENSINGTON PALACE, are climatological stations reporting to the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*, and the name in small capitals is that used in that publication.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at light-houses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, with shorter records, if they have been reduced by accepted methods to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by com-

parison with nearby stations with records complete from 1881 to date. Averages determined by authorities other than the Meteorological Office are printed in *italics*, since they may subsequently be revised. The average is also given in *italics* if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years, 1881 to 1915, are always preferred for entry in the table.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, e.g. when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation (?) implies doubt, not necessarily error. The absence of information is indicated by ...

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England and Wales

DIVISION I—LONDON (Area 117 sq. mi.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
1.—THAMES. Right Bank Tributaries. 67 sq. mi.									
BERMONDSEY									
D Southwark Park	London County Council ..	5	1	0	9	24·4	27·28	179	122
LAMBETH									
D Brockwell Park	(+A) London County Council ..	5	1	0	144	23·8	27·81	168	127
D Brixton Hill Reservoir	Metropolitan Water Board	5	1	0	121	23·9	27·69	171	118
BATTERSEA									
d Battersea Park	London County Council ..	5	1	0	13	23·2	28·64	...	123
WANDSWORTH									
d Streatham (Conyers Road)	Metropolitan Water Board	5	1	0	113	23·3	25·03	...	...
D Tooting Bec (Moring Road)	H. J. Lewis, Esq.	5	1	2	150	...	26·80	200	122
D Streatham Hill Reservoir	Metropolitan Water Board	5	1	0	202	23·3	26·49	172	121
D Putney Heath Reservoir	(+A) Metropolitan Water Board	5	1	0	184	...	28·72	190	132
D Streatham (Furzedown Rec. Ground)	P. V. Marchant, Esq., C.E.	5	1	6	89	24·7	27·21	168	119
D Southfields (Coronation Gardens) ..	P. V. Marchant, Esq., C.E.	5	1	6	37	23·6	27·51	162	120
D Dulwich (Belair)	J. J. Heasman, Esq.	5	1	0	150	...	27·43	147	119
CAMBERWELL									
D Nunhead Reservoir	Metropolitan Water Board	5	1	0	175	...	25·52	163	121
DEPTFORD									
D Telegraph Hill	London County Council ..	5	1	0	150	...	24·56	159	118
D Waterworks	Metropolitan Water Board	5	1	0	20	23·0	25·29	143	117
GREENWICH									
D Deptford (Pumping Station)	(+A) London County Council ..	8	1	6	15	22·4	25·77	164	113
D Blackheath (Hassendean Road)	Miss D. Norton	8	2	0	100	...	25·41	151	120
D GREENWICH (Nat. Maritime Museum)	Director, for M.O.	8	1	0	24	...	25·80	167	115
LEWISHAM									
d Forest Hill Reservoir	(+A) Metropolitan Water Board	5	1	0	339	...	24·64	...	...
WOOLWICH									
d §Eltham (High Street)	(+A) Metropolitan Water Board	5	1	0	245	23·2	24·60	...	...
2.—THAMES. Left Bank Tributaries. 50 sq. mi.									
KENSINGTON									
D Holland House	London County Council ..	5	1	0	68	23·9	28·15	169	119
D Campden Hill Reservoir	(+A) Metropolitan Water Board	5	1	0	138	24·5	28·14	164	124
D KENSINGTON Palace	(+A) Ministry of Works, for M.O.	5	1	0	80	24·2	28·22	175	116
HAMMERSMITH									
D Pumping Station	(+A) London County Council ..	5	6	0	19	23·2	27·41	184	116
FULHAM									
D Bishop's Park	(+A) Borough Engineer	5	0	8	15	22·6	28·92	177	130
CHELSEA									
D Physic Garden	Curator	5	1	0	20	23·4	26·60	174	122
WESTMINSTER									
d Western Pumping Station	(+A) London County Council ..	8	1	9	16	...	25·75	...	...
D Buckingham Palace	Mr. F. C. Nutbeam	5	8	0	35	23·5	27·91	149	118
D ST. JAMES'S PARK	(+A) Ministry of Works, for M.O.	8	1	0	27	22·4	26·82	165	121
ST. MARYLEBONE									
D REGENT'S PARK	Ministry of Works, for M.O.	5	1	0	129	...	25·73	157	119
HAMPSTEAD									
D OBSERVATORY	(+A) Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	8	1	0	450	26·3	27·25	183	123
D Golders Hill Park	London County Council ..	5	1	0	350	26·2	29·57	194	128

§ Turf wall round gauge.

DIVISION I—LONDON—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or	or
			Ground	Sea Level				more	more
2.—THAMES. Left Bank Tributaries—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
ST. PANCRAS									
D CAMDEN SQUARE (+A)	Royal Meteorological Soc.	5	1	0	110	24·5	25·91	170	124
STOKE NEWINGTON									
D New River Filter Beds.	Metropolitan Water Board	5	1	0	101	23·1	25·72	152	119
D New River Res. (Lordship Rd.) (+A)	Metropolitan Water Board	5	1	0	105	23·5	26·10	165	120
HACKNEY									
D Clapton Pond (+A)	Borough Engineer	5	1	0	68	22·8	27·02	178	120
FINSBURY									
d New River Head	Metropolitan Water Board	5	1	0	104	...	25·23	...	...
BETHNAL GREEN									
d Victoria Park	London County Council ..	5	1	0	43	23·1	26·28	...	...
POPLAR									
D Isle of Dogs (Island Gardens) ..	London County Council ..	5	1	0	18	21·9	24·41	133	108
D Old Ford (Pumping Station) ..	Metropolitan Water Board	5	1	0	18	22·9	24·81	163	115
D Old Ford (Penstock House) ..	London County Council ..	8	0	10	39	22·4	23·30	144	110
WOOLWICH									
D Barking Outfall	London County Council ..	5	0	10	24	20·8	21·62	138	98

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.									
D Chiddingfold (Chiddingfold Ho.) (+A)	L. J. E. Hooper, Esq. ..	5	0	9	200	31·0	35·51	179	132
D Hambledon (Vann Pumping Station)	Guildford Water Bd. ..	5	1	0	200	...	34·67	169	134
D Godalming (Burgate)	Mr. T. Hopkins	5	1	0	320	...	33·10	184	135
2.—MEDWAY. 50 sq. mi.									
D East Grinstead (Lockeridge)	Lt.-Col. J. F. Forbes, D.S.O.	5	1	0	320	31·6	32·86	221	133
D Dormans Park (Chartham Park) ..	I. D. Margary, Esq. ..	5	1	0	270	31·2	34·56	204	141
D Dormans Park (Yew Lodge)	Mrs. I. D. Margary ..	5	1	0	260	30·6	34·90	203	143
D Lingfield (Sewage Works) .. (+A)	Godstone R.D.C.* ..	5	1	0	155	28·2	31·86	192	137
D Limpsfield & Oxted Sewage Wks. (+A)	Godstone R.D.C.* ..	5	1	0	236	...	34·49	184	135
M Limpsfield (Kent Hatch Reservoir) ..	East Surrey Water Co. ..	5	1	0	664	...	31·30	...	...
M Limpsfield (Briars Court)	J. H. Massey, Esq. ..	5	1	0	550	...	34·74	...	...
3.—THAMES. Darent. 22 sq. mi.									
D Westwood (Pumping Station)	East Surrey Water Co. ..	5	1	0	418	28·5	32·60	170	132
D Warlingham Park Hospital	Croydon Corporation ..	8	1	0	600	32·0	33·35	175	141
D Addington (Hares Bank Pump. Stn.)	Croydon Corporation ..	8	1	0	331	28·4	31·20	197	133
D Addington (Abbotswood)	H. C. Hawkins, Esq. ..	5	0	11	390	...	29·34	175	120
D ADDINGTON Hills Reservoir	Croydon Corporation ..	8	1	0	472	27·9	31·01	188	128
4.—THAMES. Wandle. 71 sq. mi.									
D Kingswood (Margery Hall Res.) ..	Sutton District Water Co.	5	1	0	691	30·2	36·93	185	152
D Kingswood (The Chase)	H. J. Gosney, Esq. ..	5	1	0	550	...	33·80	192	137
D Woldingham Reservoir	East Surrey Water Co. ..	5	1	0	841	32·9	36·98	...	...
D Caterham Reservoir	East Surrey Water Co. ..	5	1	0	704	32·5	37·30	190	160
D Caterham (Alderstead Heath) (+A)	Coulsdon & Purley U.D.C.	5	1	0	577	31·4	36·02	190	147
D Chelsham & Woldingham W.W. ..	East Surrey Water Co. ..	5	1	0	478	32·5	34·95	181	140
D Caterham (White Knobs Way)	Miss V. K. Isaac ..	5	1	0	500	32·8	38·05	210	146
D Banstead (Burgh Heath Reservoir) ..	Sutton District Water Co.	5	1	0	582	30·8	34·05	181	143
D Chipstead (How Green Reservoir) ..	Sutton District Water Co.	5	1	0	528	31·1	34·65	182	134
D Coulsdon (The Vale)	H. E. W. Hollobone, Esq.	5	1	6	318	...	33·60	196	140

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
SURREY—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—THAMES. Wandle—(contd.)									
D Kenley (Refuse Disposal Works) (+A)	Surveyor	5	1	0	286	29·7	32·94	194	134
D Kenley (Pumping Station)	East Surrey Water Co. ..	5	1	0	275	29·0	30·76	179	129
D Coulsdon (Midday Sun Allotments.) (+A)	Coulsdon & Purley U.D.C.*	5	1	0	325	...	32·29	197	131
D Woodcote Park Golf Club .. (+A)	Coulsdon & Purley U.D.C.*	5	1	0	450	28·1	30·87	191	134
D Purley (Selcroft Road)	Miss C. Porter	5	1	0	400	28·7	31·49	180	124
D Purley (Woodcote Valley Road) ..	C. Stuart Bailey, Esq. ..	5	1	0	310	29·5	30·84	185	123
D Purley (Pumping Station)	East Surrey Water Co. ..	5	1	0	214	29·3	31·34	183	130
D SANDERSTEAD	M. J. Rawlinson, Esq. ..	5	1	0	408	...	32·03	192	135
D Purley (Pampisford Road)	C. Knight, Esq.	5	0	6	250	...	30·81	179	131
D Sanderstead (Beechwood Road) ..	G. M. Davies, Esq. ...	5	1	0	320	...	30·75	175	127
D Purley (Oaks Depot) (+A)	Coulsdon & Purley U.D.C.*	5	1	0	190	...	29·43	191	129
D CROYDON Airport (+A)	Meteorological Office ..	5	1	0	201	26·7	26·19	164	114
D Croydon (Croham Valley Road) ..	F. A. Reynolds, Esq. ..	5	1	0	350	...	30·92	177	132
D Carshalton (Pumping Station) ..	Surveyor, U.D.C.	5	1	0	84	25·9	26·84	160	124
D Beddington (Sewage Farm)	Croydon Corporation ..	5	1	0	129	24·5	25·83	174	114
D Beddington Park (+A)	Borough Council*	5	1	0	108	24·1	27·25	166	121
D Croydon (Northampton Road) ..	Mrs. Vera Higgins	5	1	0	210	26·9	26·48	178	119
D Mitcham (London Road) (+A)	Mitcham Borough Council*	5	0	11	62	22·6	28·28	172	123
D Wimbledon (Durnsford Road) ..	T. Webster, Esq., C.E.* ..	5	1	0	58	22·6	26·88	153	122
5.—THAMES. Mole & c. 229 sq. mi.									
D HORLEY (Worth Park Nurseries) ..	F. M. Gurteen, Esq. ..	5	1	0	195	...	33·69	192	137
D Horley (Yew Trees)	Miss M. Macleod	5	1	0	180	...	34·82	200	137
D Ranmore (Denbies)	Mr. S. C. Westbrook ..	5	1	0	620	...	36·12	181	142
D Dorking (Pixham Lane S. Wks.) (+A)	Dorking U.D.C.*	5	1	0	138	29·8	32·42	173	126
D Earlswood (Sewage Farm) (+A)	G. G. Sanderson, Esq., C.E.	5	1	6	196	27·2	33·11	180	141
D Redhill (London Road)	East Surrey Water Co. ..	5	1	0	270	28·4	31·79	193	142
D Redhill (Carlton Road)	R. S. Simms, Esq.	5	1	0	300	...	33·93	194	157
D Reigate (Wray Park Road)	W. J. MacAndrew, Esq. ..	5	1	0	330	29·8	33·52	183	144
D Reigate (Castle Grounds)	G. G. Sanderson, Esq., C.E.	5	2	0	320	29·3	31·59	181	135
D Bletchingley (South Park Farm) ..	Major U. H. Lambert ..	5	1	4	340	28·7	32·64	185	141
D Merstham (Gatton Point)	C. F. Bull, Esq.	5	1	0	300	29·2	32·08	200	141
D MICKLEHAM (Juniper Hall)	C. Promotion Field Studies	5	1	0	179	...	31·51	172	121
D Effingham Reservoir	East Surrey Water Co. ..	5	1	0	363	29·3	31·11	...	...
D Headley Reservoir	East Surrey Water Co. ..	5	1	0	629	32·0	34·25	184	139
D Mertsam (Merstham Lodge)	J. F. E. Goad, Esq. ..	5	0	11	500	...	37·11	210	150
D Headley (The Hurst)	Miss D. V. Lyall	5	1	0	420	30·6	33·87	200	133
D Leatherhead (Elmer Softening Wks.) (+A)	East Surrey Water Co. ..	5	1	0	168	...	29·94	176	121
D Leatherhead (Thorncroft Manor) ..	Brit. Elec. & Allied Industries	5	1	0	108	...	30·60	203	124
D Leatherhead (Tyrrells Wood)	E. H. Cutbill, Esq. ..	5	1	0	410	...	32·38	...	...
D Tadworth (Pumping Station)	Banstead U.D.C.	5	1	0	405	...	32·21	196	127
D Ashted (Park Lane)	G. R. Crompton, Esq. ..	8	1	0	318	...	32·07	190	131
D Leatherhead (Sewage Works) .. (+A)	F. J. Southam, Esq.* ..	5	1	0	104	25·9	28·68	164	119
D Epsom (Downs Road)	Borough Water Engineer	5	1	0	400	...	30·95	175	127
D Cobham (Towngate)	E. Boughton, Esq. ..	5	1	0	160	...	29·01	171	120
D Epsom College	S. A. Weare, Esq. ..	8	1	6	300	26·9	28·77	190	120
D Cobham (Sewage Works)	Esher U.D.C.	8	1	0	71	...	29·41	191	128
D Banstead (Green Curve)	J. Tilley, Esq.	5	1	0	450	...	30·50	195	129
D Epsom (Sewage Farm)	Surveyor*	8	1	0	125	...	29·32	173	127
D Epsom (Waterworks)	Borough Water Engineer	5	1	0	150	...	30·27	177	125
D Whiteley Village	Whiteley Homes Trust ..	8	3	4	190	24·3	30·65	201	120
D Cheam (Bramley Road)	R. P. Taylor, Esq. ..	5	1	0	174	...	29·47	167	125
D Sutton (Waterworks)	Sutton District Water Co. ..	5	1	0	161	25·4	28·16	159	120
D Sutton (Sewage Works) (+A)	N. H. Michell, Esq., C.E.*	5	1	0	99	24·7	27·50	172	118

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SURREY—(contd.)									
5.—THAMES. Mole & c.—(contd.)									
D Epsom (Ruxley Lane S. Wks.)	(+A) Surveyor*	5	1	6	76	23.2	27.77	158	119
D Weybridge (Weyland S. Wks.)	(+A) Walton & Weybridge U.D.C.*	5	1	0	50	22.8	26.43	168	109
D Esher (Sewage Works)	.. (+A) Esher U.D.C.*	5	1	0	44	...	26.66	164	120
d Esher (Penlea)	 P. W. Partridge, Esq. ..	5	0	11	35	...	28.10	...	...
D Worcester Park (Sewage Wks.)	(+A) N. H. Mitchell, Esq., C.E.*	5	1	0	68	24.4	29.06	171	126
D Old Malden (Sports Ground)	(+A) Malden & Coombe B.C.* ..	5	0	8	64	24.3	29.78	164	123
D Surbiton (Seething Wells)	 Metropolitan Water Board	5	0	10	34	24.5	28.90	177	125
D Surbiton (Sewage Disp. Works)	(+A) Borough Engineer*	5	1	0	51	23.1	27.52	171	119
D West Molesey (Walton Works)	 Metropolitan Water Board	5	1	0	35	23.1	25.65	157	106
D New Malden (Sewage Works)	(+A) Malden & Coombe B.C.* ..	5	0	10	51	22.8	28.07	162	120
D New Malden (Acacia Grove)	 A. C. Josling, Esq.	5	1	0	50	...	29.02	195	129
D Morden Hall	 (+A) W. S. Scott, Esq., B.Sc. (Eng.)	5	1	2	117	...	28.88	185	125
D Merton (Joseph Hood Rec. Ground)	 W. S. Scott, Esq., B.Sc. (Eng.)	5	1	0	48	23.5	28.16	179	140
D Merton Park (Mostyn Road)	 A. T. Bench, Esq.	5	1	0	55	...	29.65	168	129
D New Malden (High Drive)	 Mrs. Ben. G. Brame	5	1	0	60	24.1	28.87	182	127
D Kingston (Canbury Gardens)	.. (+A) G. C. Stedman, Esq.* ..	5	1	0	25	22.7	27.08	171	117
D Raynes Park (Cottenham Pk. P.S.)	(+A) T. Webster, Esq., C.E.* ..	5	1	0	50	23.9	27.33	169	118
D New Malden (Kingston Vale)	(+A) Malden & Coombe B.C.* ..	5	1	1	47	...	29.43	179	129
D Richmond (Terrace Gardens)	 G. Humphreys, Esq.	5	1	3	29	23.5	28.40	178	127
D Eash Sheen (Cemetery)	.. (+A) Barnes Corporation* ..	5	0	10	88	24.4	28.43	177	125
D KEW OBSERVATORY	 (+A) Meteorological Office ..	8	1	0	18	23.8	25.41	169	115
D Barnes (Barn Elms)	 Metropolitan Water Board	5	1	4	16	22.9	26.88	173	119
6.—THAMES. Wey. 236 sq. mi.									
D Shottermill (Sewage Works)	.. (+A) Surveyor*	5	1	7	381	35.2	39.90	194	146
D Hindhead (Waterworks)	 Wey Valley Water Co. ..	5	1	0	839	34.5	39.07	208	147
D Churt (Firdown)	 W. E. Livock, Esq.	5	1	0	500	...	34.35	174	137
D Cranleigh (Lambwood)	 Guildford Water Bd.	5	0	10	300	...	34.58	205	157
D Cranleigh (Sewage Works)	.. (+A) Surrey County Council ..	5	1	0	154	...	32.06	186	137
D Hascombe (Olivers)	 Miss F. C. Musgrave	5	1	0	361	31.7	34.19	179	131
D Hascombe (Winkworth Hanger)	 J. H. Wenham, Esq.	5	1	0	430	...	34.17	188	130
d Witley (King George V Sanatorium)	 Dr. J. V. Hurford	5	1	0	305	...	35.67	160	136
D Ewhurst (Copse Hill)	 Mr. A. P. Clow	5	1	6	670	...	34.29	184	147
D Ewhurst (Woolpit)	 F. Butterick, Esq.	5	1	0	600	32.3	34.52	199	136
d Godalming (Munstead Heath)	 Head Gardener	5	1	0	550	30.3	27.92	...	122
d Milford (Kennel Moor)	 G. S. Sansom, Esq., D.Sc. ..	5	1	0	180	...	33.57	...	...
D Godalming (Borough Road P.S.)	 Guildford Water Bd.	8	1	0	120	28.7	32.42	191	133
D Farnham (Little Park)	 Major G. A. Moxon	5	1	0	400	...	31.57	164	128
d Holmbury St. Mary (Feldmore)	 Mr. W. E. Hobday	5	2	0	500	32.0	37.64	...	153
D Peaslake (Southcots)	 J. S. Moffat, Esq.	5	1	0	420	33.1	37.18	198	151
Abinger Common (Furzen Wood)	 Major E. J. Lugard, D.S.O. ..	5	1	0	555	31.0	35.92	...	...
D Chilworth (Brooks Wood)	 Guildford Water Bd.	5	1	0	175	...	31.11	188	127
D Gomshall (Netley Mill P.S.)	 Guildford Water Bd.	5	1	0	250	...	31.85	175	129
d Shere (Coombe End)	 Miss R. L. M. Warren	8	1	3	294	...	32.67	...	134
D Shalford (Unstead Sewage Works)	 Borough Surveyor	5	1	6	120	...	31.05	182	126
D Shalford (The Hutch)	 Capt. G. C. Pentland	5	1	2	180	...	31.74	194	133
d Farnham (Wrecchesham)	 W. Sotheby, Esq.	8	1	0	360	...	28.38	...	...
D Farnham (West Street)	 Capt. A. M. H. Fergus	5	1	0	230	...	31.32	182	131
D Farnham (Sewage Works)	 Engineer & Surveyor	5	1	0	245	...	31.90	221	127
d Seale (Binton Cottage)	 J. R. Colyer, Esq.	5	1	0	310	...	31.98	...	134
D Seale (Greensand)	 Mrs. A. B. Watkins	5	1	0	300	...	32.46	160	128
D FARNHAM (Castle Street)	 A. C. Hunt, Esq.	5	1	0	260	...	28.25	174	131
D Farnham (Broomleaf Road)	 A. C. Challands, Esq. ..	5	1	0	250	...	30.20	188	128

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
SURREY—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
6.—THAMES. Wey—(contd.)									
d Farnham (Beechwood)	Mrs. K. M. Lewis	5	1	0	275	...	30·16	...	131
d Guildford (Onslow Village) ..	C. O. Hunt, Esq.	5	0	9	300	...	30·51	194	131
d Guildford (Avonmore Avenue) ..	Mrs. M. H. Fulk	5	1	0	184	...	31·47	191	130
d Guildford (Boxgrove School) ..	Capt. V. H. Holroyd, F.R.G.S.	5	1	0	200	...	29·50	167	120
d Guildford (Joseph's Road) ..	(+A) Guildford Water Bd. ..	5	1	2	98	25·0	28·88	161	113
d West Clandon Quarry	Agricultural Contractors Ltd.	5	1	0	266	...	33·05	...	113
d West Clandon	J. Dalrymple, Esq., C.E. ..	8	1	0	319	28·5	30·87	186	130
d East Horsley (Ethandown)	Basil D. Tims, Esq.	5	0	9	280	...	30·55	...	...
d Pirbright (Bakersgate)	Lord Lyle of Westbourne	5	1	0	120	...	29·05	175	131
d Old Woking (The Gresham Press) ..	Unwin Bros., Ltd.	5	1	0	50	...	29·37	197	134
d Woking (The Grange)	Miss M. E. Wilson	5	1	0	81	...	31·56	191	137
w Woking (St. John's Hill Road) ..	Prof. H. M. Turnbull	5	1	8	183	...	28·32	...	...
d Old Woking (Sewage Works)	Woking U.D.C.	5	1	0	76	24·9	28·08	176	122
d Woking (Council Offices) ..	(+A) Woking U.D.C.	5	1	0	132	25·0	29·60	165	131
d Woking (Percy Street)	J. Dalrymple, Esq., C.E. ..	8	1	0	100	...	27·73	...	...
d Woking (Goldsworth Road Depot) ..	Woking U.D.C.	5	1	0	96	25·3	29·69	...	...
d Byfleet (WISLEY R.H.S. Gardens) ..	Director	8	1	0	150	24·1	28·64	183	125
d Wisley (Outfall Works)	Woking U.D.C.	5	1	0	53	24·5	27·69	172	118
d West Byfleet (Scotland Bridge) ..	Woking U.D.C.	5	1	0	67	...	29·63	...	...
d Addlestone	W. V. Davies, Esq., C.E. ..	5	1	7	46	24·0	29·23	186	120
d Weybridge (Oil Mills)	A. Whittet & Co. Ltd. ..	5	1	0	36	23·7	28·75	186	120
d Walton-on-Thames (Waterworks) ..	West Surrey Water Co. ..	5	1	4	33	23·0	27·55	160	119
7.—THAMES. Bourne. 55 sq. mi.									
d West Byfleet (N. Zealand Golf Club)	Secretary	5	1	7	100	...	30·22	199	129
d Bagshot	J. Waterer, Sons & Crisp, Ltd.	5	0	11	270	...	31·27	157	116
d Weybridge (St. George's College) ..	Rev. C. K. Bryant	5	1	0	46	...	29·79	167	128
d Chertsey (Long Cross)	Lord Brabazon of Tara ..	5	1	6	150	...	29·45	...	98
d Chertsey	W. V. Davies, Esq., C.E. ..	8	1	0	42	23·3	27·99	178	119
d Chertsey (Abbey Meads)	J. Dalrymple, Esq., C.E. ..	5	1	0	53	23·0	28·13	163	111
d Chertsey (Lyne Farm Sew. Wks.) (+A)	Surrey County Council ..	5	1	0	93	...	29·22	171	116
d Egham (Waterworks)	S.W. Suburban Water Co.	5	1	0	54	...	29·78	181	123
d Egham (Cooper's Hill)	J. L. Oliver, Esq.	5	0	11	280	...	28·04	170	118
8.—THAMES. Loddon. 17 sq. mi.									
d Frimley (Pumping Station)	Mid-Wessex Water Co. ..	5	1	7	213	...	29·06	177	122
d Camberley (Sewage Works) ..	(+A) Surrey County Council ..	5	1	0	198	26·4	28·51	163	117
d Camberley (Woodlands Road)	K. Hustwick, Esq.	8	1	0	216	...	30·81	191	129
KENT. (Area, 1,532 sq. mi.)									
1.—ROTHER & C. 217 sq. mi.									
d Stone (Huggetts Farm)	G. L. Billson, Esq.	5	1	0	140	...	32·43	186	132
d Dymchurch (Slieve Truim)	D. Hamill Morton, Esq. ..	5	1	0	9	24·8	27·56	166	125
d Sandhurst (Field Green)	J. L. Tweedie, Esq.	5	1	0	199	...	33·54	171	134
d Kenardington (The Firs)	late Cmdr. F. H. Lyon. ..	5	1	2	65	...	27·56	215	151
d Hythe	Borough Surveyor	5	1	1	0	28·0	30·90	189	140
d Hythe (Seabrook Road)	C. R. Lilburn, Esq. ...	5	1	6	0	...	(30·47)	...	...
d Hythe (Sandling Park)	Major A. E. Hardy	8	1	0	260	...	33·12	...	139
d Bonnington Rectory	D. W. J. Sampson, Esq. ..	5	1	0	45	...	28·63	179	124

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.)									
1.—ROTHER & C.—(contd.)									
D Saltwood (Cylinder)	Miss M. Lethbridge ..	5	1	0	230	...	33·11	179	143
D FOLKESTONE (The Leas) .. (+A)	Borough Engineer ..	5	1	0	128	28·6	27·26	174	127
D Folkestone (Cherry Garden) ..	Folkestone W.W. Co. ..	5	1	6	230	29·1	32·60	179	131
D Alkham Valley (Lower Standen) ..	Folkestone W.W. Co. ..	5	1	0	248	...	34·24	175	133
D DOVER (Waterloo Crescent) ..	Borough Engineer ..	5	1	0	19	28·2	29·04	177	124
d Dover (Buckland)	Guy Mannering, Esq. ..	8	1	6	50	...	32·65	...	128
D DOVER (ROYAL MILITARY SCHOOL) ..	Headmaster	5	1	0	402	...	32·36	177	128
2.—STOUR & C. 386 sq. mi.									
D Lyminge (Skeete Pumping Station) ..	Folkestone W.W. Co. ..	5	1	6	445	...	35·17	182	140
D Elham (Ottinge)	S. G. Holmans, Esq. ..	5	1	9	300	...	40·23	168	134
D Ashford (Gasworks)	L. G. Kimmins, Esq. ..	5	1	0	125	...	30·56	173	126
D Ashford	Headley Bros., Ltd. ..	5	1	0	190	...	31·44	182	127
D Ashford (Albert Road)	A. E. Brounger, Esq. ..	5	1	0	185	...	31·94	181	131
D Ashford (Belmore)	J. W. Kennard, Esq. ..	5	1	0	200	...	30·69	171	128
D Dover (Martin Mill Pump. Station) ..	W. A. Parker, Esq. ..	5	1	0	287	...	34·16	169	128
D WYE (S.E. Agricultural College) ..	Principal	5	1	0	164	...	31·84	166	121
D Waldershare Park Gardens	Mr. H. W. Garley ..	8	1	0	250	33·2	33·96	169	127
D Charing (Egerton)	G. L. Wall, Esq. ..	5	1	0	310	...	29·21	185	121
D Charing (Pett Place)	J. E. Hosking, Esq. ...	5	1	0	300	...	32·01	158	120
D Deal & Walmer Waterworks ..	W. Mantle, Esq. ..	5	1	0	110	27·2	26·88	167	126
D Barham (Old House)	L. S. Osmaston, Esq. ..	5	0	9	175	...	31·58	175	136
D Barham (Pumping Station) ..	W. A. Parker, Esq. ..	5	1	0	173	...	33·20	170	127
D Nonington (Red Tiles)	C. G. W. Lewis, Esq. ..	5	1	0	140	...	30·23	169	128
D Wingham (Margate Waterworks)	Superintendent ..	5	1	0	138	28·7	29·20	184	127
D Chartham (Old Mill)	Kent River Board ..	5	1	0	80	...	29·32	157	115
D Sandwich (Loop Street)	Borough Surveyor ..	5	1	0	15	...	24·31	156	116
D Canterbury (Harbledown)	W. Norris, Esq. ..	5	1	0	155	...	23·47	142	103
D Canterbury (London Road) ..	Miss B. Spillett ..	5	1	0	66	28·7	22·94	181	112
D Canterbury (Sewage Works) ..	City Engineer & Surveyor	5	1	6	15	27·5	27·33	181	118
d ||Ash (Corking Farm)	R. F. Neame, Esq. ..	5	1	0	50	...	(20·79)	149	109
D Ramsgate (Minster)	A. W. Best, Esq. ..	5	1	0	75	...	25·57	184	112
D RAMSGATE (East Cliff)	Borough Engineer ..	5	1	0	80	...	23·22	150	108
D Broadstairs (Grange Road) ..	C. Saunders, Esq. ..	5	1	0	159	...	21·33	161	100
D Broadstairs (Stone House) ..	H. Biggs, Esq. ..	5	1	3	100	...	21·61	157	107
D BROADSTAIRS	Engineer & Surveyor ..	5	1	0	128	...	21·88	160	110
d MARGATE	Medical Officer of Health	5	1	0	51	22·8	22·13	122	89
3.—SWALE & C. 167 sq. mi.									
D. THROWLEY (Newlands Farm) ..	Thomas Neame, Ltd. ..	5	1	0	493	...	33·97	183	136
d Selling (Perry Cottage)	F. Ivo Neame, Esq. ..	5	1	5	320	...	30·64	...	...
d Selling (Luton)	F. Ivo Neame, Esq. ..	5	4	3	300	30·4	28·72	...	113
D Sittingbourne (Torry Hill) ..	D. Leigh Pemberton, Esq.	5	1	0	497	...	33·20	180	131
D Newnham (Pumping Station) ..	W. A. Parker, Esq. ..	5	1	0	107	...	29·18	151	115
D Faversham (Waterworks)	Engineer and Manager ..	8	1	0	132	...	24·05	160	108
d Ospringe (Queen Court)	Shepherd Neame Ltd. ..	8	1	3	50	...	25·82	...	...
d Ospringe (Lorenden)	Messrs. G. W. Finn & Sons	5	1	6	175	...	26·87	...	114
D Sittingbourne (Highsted Waterworks)	Sittingbourne U.D.C. ..	5	1	7	138	...	30·37	170	114
D SITTINGBOURNE	Kent Farm Institute ..	5	1	0	225	...	30·67	161	116
D Faversham (Sewage Disp. Works) ..	Engineer and Manager ..	8	1	0	22	...	27·43	187	113
d Whitstable (Green Lees)	W. H. Wetherell, Esq. ..	5	1	0	125	...	26·42	180	119
d Teynham (Newgardens)	Mrs. Honeyball ..	5	1	5	30	24·5	25·68	...	...
d Milton Regis (Sewage Works) ..	Sittingbourne U.D.C. ..	5	0	8	8	...	24·72	...	105

|| Gauge over-sheltered.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954		
				Diam.	Height of		Ground		Rain-fall	Rain-fall	Days with
				in.	ft.	in.	ft.	in.	in.	·01 in. or more	·04 in. or more
KENT—(contd.)											
3.—SWALE & C.—(contd.)											
D	WHITSTABLE (Westmeads Rec. Grd.)	Urban District Council	..	5	1	0	9	...	20·24	148	97
	Herne Bay (Waterworks)	J. Roberts, Esq.	..	5	1	0	125	22·8	23·47	...	...
D	HERNE BAY (St. Anne's Home)	Urban District Council	..	5	1	0	21	...	20·88	137	101
D	Eastchurch (Barnland)	A. A. Beal, Esq.	..	5	1	0	180	...	21·27	138	95
4.—MEDWAY. 506 sq. mi.											
D	GOUDHURST (Bedgebury Forest)	Forestry Commission	..	5	1	0	290	...	36·70	194	138
D	Goudhurst (Bedgebury Park Gdns.)	Mr. E. G. Arnold	..	5	1	0	280	...	38·12	217	143
d	Scotney Castle	C. Hussey, Esq.	..	5	2	0	200	...	33·22	...	...
D	Biddenden (Little Whatmans)	W. H. S. Williams, Esq.	..	5	1	0	200	...	32·72	182	132
D	High Halden (Halden House)	Tenterden R.D.C.	..	5	1	0	170	...	27·73	161	119
D	Tunbridge Wells (Nevill Park)	L. F. Schooling, Esq.	..	5	1	1	370	...	33·69	189	131
D	TUNBRIDGE WELLS (Calverley Park)	Medical Officer of Health	..	5	1	0	351	...	33·32	180	136
D	Tunbridge Wells (Hurstwood Lane)	Mrs. F. Dann	..	5	1	0	395	...	33·77	190	130
D	Pembury (Waterworks)	H. P. Bishop, Esq., C.E.	..	5	1	0	196	...	30·48	169	123
D	Edenbridge (Falconhurst)	Hon. Mr. Justice Talbot	..	5	1	6	375	30·7	33·33	179	135
D	Edenbridge (Stonewall Park)	Lt.-Col. E. R. Meade-Waldo	..	5	1	1	344	...	33·09	174	137
D	Penshurst Place	Lord De L'Isle and Dudley	..	5	1	6	120	...	30·54	177	123
D	Headcorn (Great Tong)	A. E. A. Day, Esq.	..	5	1	0	110	...	26·44	165	112
D	Hildenborough (Gables)	E. E. Roper, Esq.	..	5	1	0	159	27·4	30·16	175	139
	Hildenborough (Old School Cottage)	J. S. Roper, Esq.	..	5	1	0	270	...	30·43	...	...
D	Chart Sutton (Amberfield Farm)	Hernden Farms Ltd.	..	5	1	0	363	...	29·22	158	122
D	Lenham (Lenham Court)	Major W. T. Pitt	..	5	0	9	354	...	31·04	174	126
d	Langley (Rumwood Court)	E. G. Boys, Esq.	..	5	1	9	354	...	28·52	...	124
D	Lenham	D. F. Tysoe, Esq.	..	5	1	6	400	...	32·22	177	134
d	Sevenoaks (River Hill)	Major D. M. Rogers	..	5	1	0	500	30·0	32·06	164	144
D	Maidstone Waterworks (Barming)	C. H. Harden, Esq., C.E.	..	5	1	4	247	...	27·21	157	118
	Maidstone (College Road)	Kent River Board	..	8	1	0	50	...	26·88	...	...
D	Maidstone (Mill Street)	S. F. Dixon, Esq.	..	8	6	0	37	...	27·53	200	117
D	Bearsted (Thurnham Pumping Stn.)	W. A. Parker, Esq.	..	5	1	0	226	...	29·53	187	126
D	Maidstone (Brenchley Gardens)	S. F. Dixon, Esq.	..	5	0	9	49	...	27·18	157	120
D	WEST MALLING Airfield	(+A) Meteorological Office	..	5	1	0	309	...	27·45	174	121
D	EAST MALLING (Research Station)	Director	..	8	1	0	122	26·1	26·10	175	121
D	Maidstone (Boxley Road)	A. O. Mead, Esq.	..	5	0	10	230	...	27·44	171	116
D	Maidstone (Allington Lock)	Mr. A. H. Reed	..	5	1	0	20	...	26·12	153	122
D	Aylesford (Forstal Pumping Stn.)	C. H. Harden, Esq., C.E.	..	5	1	4	20	...	25·83	171	123
D	Trottiscliffe (Pumping Station)	W. A. Parker, Esq.	..	5	1	8	250	...	28·70	153	118
D	Maidstone W.W. (Boxley)	C. H. Harden, Esq., C.E.	..	5	1	0	319	...	28·32	164	127
d	Hartlip (Matts Hill Pumping Stn.)	A. E. Watkins, Esq., B.Sc.	..	5	1	0	225	...	29·85	...	122
D	Chatham (Woolmans Wood)	A. E. Watkins, Esq., B.Sc.	..	5	3	0	470	...	30·56	158	126
D	Halling (Pumping Station)	W. A. Parker, Esq.	..	5	1	0	74	...	28·17	144	117
D	Chatham (Nashenden Pumping Stn.)	A. E. Watkins, Esq., B.Sc.	..	5	0	9	125	...	28·85	158	126
D	Chatham (Luton Waterworks)	A. E. Watkins, Esq., B.Sc.	..	5	3	0	88	...	27·42	172	123
D	Chatham (Royal Naval Hospital)	S.C.E., Chatham Dockyard	..	5	1	0	223	...	25·13	157	119
D	Cuxton (Pumping Station)	Cuxton Water Committee	..	5	1	0	87	...	27·83	185	125
D	Rainham (Motney Hill)	J. B. Harvey, Esq.	..	5	1	0	28	...	23·87	142	102
D	Strood (Waterworks)	(+A) City Surveyor	..	5	1	0	112	22·9	25·61	168	127
D	GILLINGHAM	(+A) Borough Engineer	..	5	1	0	14	...	24·05	165	110
D	Frindsbury (Shornells)	F. J. Talbot, Esq.	..	5	1	3	50	23·5	26·41	167	121
d	Hoo (Lodge Hill)	S.C.E., Chatham Dockyard	..	5	1	1	150	...	25·21	160	116
5.—THAMES. Darent & c. 256 sq. mi.											
d	Westerham Town	Metropolitan Water Board	..	5	1	0	380	31·6	33·73	...	...
D	Westerham Hill (Pumping Station)	Metropolitan Water Board	..	5	1	0	539	32·6	34·16	174	137
D	Sundridge (Pumping Station)	Metropolitan Water Board	..	5	1	0	270	29·2	31·02	174	123

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.)									
5.—THAMES. Darent & c.—(contd.)									
w Sevenoaks (Bayleys Hill Reservoir) ..	E. H. Evans, Esq. ..	8	1	3	696	...	32.90	...	...
d Sevenoaks (Oak Lane) ..	E. H. Evans, Esq. ..	8	1	6	428	...	34.96	...	...
d Tatsfield (Betsoms Hill) ..	Metropolitan Water Board	5	1	0	820	33.1	36.69	...	...
w Seal (Oak Bank Reservoir) ..	E. H. Evans, Esq. ..	8	1	3	548	...	31.46	...	...
D Sevenoaks (Cramptons Road P.S.) ..	E. H. Evans, Esq. ..	8	1	0	222	...	31.17	174	131
D Seal (Kemsing Pumping Station) ..	E. H. Evans, Esq. ..	5	1	3	292	...	30.88	165	130
D Sevenoaks (Chevening Gardens) ..	Head Gardener ..	5	1	0	350	...	32.76	181	127
d Knockholt (Kent Waterworks) ..	Metropolitan Water Board	5	1	0	785	...	37.31	...	...
d Biggin Hill Airfield ..	Meteorological Office ..	5	1	0	560	...	31.84	...	...
D Wrotham (Fairseat Manor) ..	A. E. D. Anderson, Esq. ..	5	1	0	700	...	34.38	180	143
D Farnborough (Downe Vicarage) ..	Rev. E. W. E. Fraser, A.K.C.	5	1	0	560	...	34.66	198	141
d Downe (Down House) ..	Royal College of Surgeons	5	1	1	560	...	33.24	...	135
D Keston (Keston Court Farm) ..	A. T. Miller, Ltd. ..	5	1	0	300	...	32.83	176	128
D Shoreham (Highfield) ..	Sir Herbert B. Cohen, Bart.	5	0	9	650	...	30.79	194	141
D West Wickham (Pumping Station) ..	Metropolitan Water Board	5	1	0	240	...	29.42	159	125
D Keston (Westerham Road) ..	F. T. Carman, Esq. ..	5	1	0	390	...	30.25	171	119
D Eynsford (Pumping Station) ..	Metropolitan Water Board	5	1	2	131	...	28.39	171	118
w Farningham (Dunbrae) ..	Bertram Grey, Esq. ..	5	1	0	230	...	28.62	...	...
D Orpington (Kent Waterworks) ..	Metropolitan Water Board	5	0	7	220	...	30.15	182	122
D Longfield (Hartley) ..	Hartley Water Committee	5	1	0	270	...	27.42	168	123
d Crockenhill (Wested Farm) ..	A. T. Miller, Ltd. ..	5	1	6	331	...	28.42	...	...
D Orpington (Chislehurst Road) ..	J. S. Powell, Esq. ..	5	1	0	272	...	28.60	182	124
D Cobham (Jeskyns Court) ..	Miss D. M. Pye ..	5	1	6	264	...	26.57	177	121
D Horton Kirby (Court Lodge) ..	R. W. Rogers, Esq. ..	5	1	9	50	...	25.09	150	113
D Nurstead (Downs Road Waterworks)	Gravesend & Milton. W.W.Co.	8	1	10	164	...	27.20	166	124
D BROMLEY ..	(+A) Borough Engineer ..	5	1	0	213	24.2	27.44	166	122
D Bromley (Bishops Avenue) ..	G. H. Franey, Esq. ..	8	1	0	190	...	27.74	197	123
D Beckenham (Croydon Road) ..	(+A) Borough Engineer ..	8	1	0	110	...	26.18	180	115
D Penge (Recreation Ground) ..	Surveyor ..	5	1	1	122	24.6	25.00	180	128
D Anerley (Oakfield Road) ..	Miss S. Stannard ..	5	1	5	180	...	26.81	179	124
D Beckenham (Foxgrove Road) ..	G. C. Hawkins, Esq. ..	5	1	0	150	...	27.93	162	129
D Chislehurst (Scadbury Park) ..	Maj. J. Marsham-Townshend	5	1	0	240	24.6	25.79	178	121
D Bromley (Henville Road) ..	W. M. Smith, Esq., M.B.E.	5	0	8	230	24.4	26.59	191	120
d Southfleet (Hook Place Farm) ..	J. J. Barker, Esq. ..	5	1	0	100	...	22.48	...	...
d Wilmington (Orchard Way) ..	L. H. Stone, Esq. ..	5	1	0	110	...	24.68	...	111
D WILMINGTON (Glasshouse Dem. Stn.)	Kent Education Committee	5	1	0	212	...	23.87	161	111
D Southfleet (Kent Waterworks) ..	Metropolitan Water Board	5	1	0	82	...	23.20	175	109
D Wilmington (Kent Waterworks) (+A)	Metropolitan Water Board	5	1	5	25	...	23.84	165	122
D DARTFORD (Central Park) ..	(+A) Borough Engineer ..	5	1	0	17	...	22.95	169	117
d Stone (Stone House Hospital) ..	G. Jones, Esq. ..	5	1	2	115	...	23.97	...	...
D Bexleyheath (Danson Park) ..	(+A) Surveyor ..	5	1	0	164	...	25.67	171	113
d Dartford (Sewage Works) ..	Resident Engineer ..	5	1	0	14	...	23.23	...	...
D Erith (Sewage Works) ..	(+A) Erith U.D.C. ..	5	1	0	13	...	22.07	152	108
d Erith (Crossness) ..	(+A) London County Council ..	5	1	8	26	20.8	21.39	...	112
SUSSEX. (Area, 1,458 sq. mi.)									
1.—LAVANT & C. 175 sq. mi.									
D Selsey (Oakash) ..	J. Cartland, Esq. ..	5	1	0	29	...	31.79	182	129
D Sidlesham (Council School) ..	Headmaster ..	5	1	0	15	...	28.92	174	132
D BOGNOR REGIS (Waterloo Square)	Town Clerk ..	8	1	0	24	25.9	33.25	171	135
D CHICHESTER (BIRDHAM) ..	S. A. Searle, Esq. ..	5	1	0	16	...	31.98	...	...

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		above		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.)									
1.—LAVANT & C.—(contd.)									
D Bosham (Cobnor)	Major S. W. P. Beale ..	5	0	10	12	27.7	37.41	163	125
D Thorney Island Airfield	Meteorological Office ..	5	1	0	11	27.3	33.66	181	129
d Chidham (Chidmere)	H. L. Baxendale, Esq. ..	5	1	0	14	27.0	37.09	...	...
D Chichester (Apuldram)	S. J. K. Eames, Esq. ..	5	0	10	14	27.9	32.59	165	130
D Chichester (West Street)	Dr. W. Dick	5	1	0	40	28.3	36.25	169	136
D Chichester (County Hall)	K. Whale, Esq.	5	1	0	40	29.1	34.85	174	134
D TANGMERE Airfield (+A)	Meteorological Office ..	5	1	0	50	27.5	32.92	182	130
D Arundel (West Walberton)	P. A. Bisset, Esq.	5	1	0	90	...	34.86	198	139
D Chichester (Funtington Pumping Stn.)	A. N. Burgess, Esq. ..	5	1	0	112	...	38.73	196	143
D Emsworth (Stansted Park)	The Earl of Bessborough ..	5	1	1	140	...	38.83	207	142
D West Dean Park	Mr. E. K. Steer	5	1	0	190	36.4	45.98	187	150
D Chilgrove House (Lawn)	Col. C. F. W. Dimond ..	5	1	0	253	35.0	44.91	180	152
D Compton (Compton House)	Miss K. B. Langdale ..	5	1	0	263	36.6	43.33	186	161
2.—ARUN. 285 sq. mi.									
D LITTLEHAMPTON (Met. Station)	Clerk to the U.D.C. ..	5	1	0	19	26.2	32.15	171	132
d Littlehampton (Court Wick)	J. Vinnicombe & Son, Ltd. ..	5	1	0	22	...	(29.65)	178	129
D Patching (Pumping Station)	Water Engineer, Worthing ..	8	1	0	118	...	36.61	210	144
D Arundel Castle	The Duke of Norfolk ..	5	1	0	106	31.3	34.81	201	136
D South Harting (Rose Croft)	A. A. Cooper, Esq. ...	5	1	0	230	...	43.29	182	149
d Storrington (Greyfriars)	Major J. R. Abbey	5	1	0	250	35.6	40.52	...	139
Bignor	Major G. B. Hill, O.B.E. ..	5	1	0	175	37.3	44.94	...	...
D Pulborough (Parham)	R. E. Whitaker, Esq. ..	5	1	6	98	33.6	36.91	193	145
D Sutton (Hurst Cottage)	A. B. Boxall, Esq. ..	5	4	0	200	...	41.69	199	147
D Pulborough (Bignor Park)	The Viscountess Mersey ..	5	1	3	75	...	43.29	195	149
d Petworth (Barlavington Farm)	J. A. G. Bragg, Esq. ..	5	0	9	181	...	47.23	...	155
D Byworth (Edgehill)	W. H. Boniface, Esq. ..	5	1	0	100	...	40.62	189	146
D Midhurst (June Lane)	R. Amooore, Esq.	5	1	0	135	33.2	37.58	189	137
D Petworth Park Gardens	Lord Leonfield	5	1	0	250	33.1	40.70	185	140
D Rogate (Fyning)	H. W. A. Bodkin, Esq. ..	5	1	0	230	31.2	38.00	200	142
D FERNHURST (Research Station)	Plant Protection Ltd. ..	8	1	0	188	...	38.16	184	140
D Kirdford (Hills Green)	L. Baker, Esq.	5	1	0	150	27.8	31.44	163	130
D Liss (Clayton Court)	Head Gardener	5	1	0	480	35.2	45.55	214	152
d Horsham (Whites Bridge)	N.W. Sussex Water Board ..	5	1	0	157	30.9	36.90	...	...
D Horsham (Sewage Disposal Works) ..	J. P. Ridd, Esq., B.Sc., C.E.	8	1	0	120	29.3	33.24	178	131
Horsham (Rushams Road)	A. H. Wickersham, Esq. ..	5	1	0	140	...	34.52	...	...
D Horsham (Windyridge)	R. A. West, Esq.	5	1	0	260	...	33.89	165	128
D Horsham (North Parade)	G. N. Slyfield, Esq. ..	5	1	0	166	...	34.67	204	132
D Rudgwick (Swaynes)	S. D. Secretan, Esq., J.P. ..	5	0	11	121	26.7	33.71	194	144
D Rusper (The Nunnery)	Sir Cecil Hurst, G.C.M.G.	5	1	6	260	30.8	37.28	189	151
3.—ADUR & C. 237 sq. mi.									
D Worthing (Ferring)	Dr. L. S. F. Woodhead ..	5	1	0	26	...	31.40	200	129
D WORTHING (Beach House Park) (+A)	Medical Officer of Health ..	8	1	0	25	27.5	30.28	188	128
d Goring-by-Sea (Highdown Tower) ..	Col. F. C. Stern	5	0	9	100	...	28.90	...	117
D Brighton (Ovingdean)	L. H. B. Woodhead, Esq. ..	8	1	0	161	...	34.58	190	134
D BRIGHTON (Old Steyne)	F. N. Green, Esq., C.E. ..	5	1	0	32	28.1	30.46	173	127
D Southwick (Watling Road)	E. C. Smith, Esq.	5	1	0	18	...	26.76	166	125
D Hove (Goldstone Crescent)	Guy Michell, Esq.	5	0	8	150	...	35.06	182	145
D Hove (Radinden Manor Road)	M. Talbot Pritchett, Esq. ..	5	1	2	180	...	33.07	187	139
D Brighton W.W. (Goldstone Bottom) ..	F. N. Green Esq., C.E. ..	8	1	0	142	...	31.97	191	135

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			.01 in. or more	.04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.)									
3.—ADUR & C.—(contd.)									
D Brighton W.W. (Lewes Road)	.. F. N. Green, Esq., C.E.	5	3	8	139	29.9	34.79	193	137
D Brighton W.W. (Shoreham)	.. F. N. Green, Esq., C.E.	8	1	8	9	29.2	36.07	199	149
D Brighton W.W. (Mile Oak)	.. F. N. Green, Esq., C.E.	8	1	0	166	...	35.68	195	149
D Brighton W.W. (Race Hill Reservoir)	F. N. Green, Esq., C.E.	8	1	0	456	31.6	41.43	207	150
D §Brighton W.W. (Balsdean Reservoir)	F. N. Green, Esq., C.E.	5	1	0	399	...	39.22	187	139
D Brighton W.W. (Balsdean Pumping Stn.)	F. N. Green, Esq., C.E.	5	1	0	188	...	38.33	187	138
D Brighton W.W. (Falmer)	.. F. N. Green, Esq., C.E.	8	1	0	200	32.1	40.01	194	150
D Findon (North End)	.. Mrs. B. H. Madge	5	1	0	211	...	38.12	204	156
D Findon (Steep Lane)	.. T. G. Judge, Esq.	8	3	0	200	...	36.20	191	151
D Upper Beeding (Sele Gardens)	.. H. G. Phillips, Esq.	5	1	0	16	...	36.23	204	144
D Brighton W.W. (Patcham)	.. F. N. Green, Esq., C.E.	5	1	0	205	31.8	35.32	187	147
D Hassocks (Newtimber Place)	.. The Countess Buxton	5	0	8	100	...	37.38	187	139
D Hassocks (The Croft)	.. Miss M. J. Taylor	5	1	0	200	35.6	40.56	198	149
D Henfield (Townmead)	.. Miss H. Dixon Brown	5	1	0	100	31.7	33.69	167	140
D Hurstpierpoint (Brundall)	.. R. E. Toombs, Esq.	5	1	0	140	...	38.20	172	139
D West Grinstead (Knepp Castle Gdns.)	Capt. W. R. Burrell	5	3	6	50	...	36.50	199	147
D Horsham (Sedgewick Park)	.. Rt. Hon. Lord Rotherwick	5	1	0	280	...	35.01	191	145
4.—OUSE. 224 sq. mi.									
D Seaford (Newlands)	.. Capt. T. Manning, C.B.E.	5	1	0	150	28.6	35.68	165	137
D SEAFORD	.. Surveyor	5	1	0	45	...	33.22	156	129
D Newhaven (Poverty Bottom W.W.)	.. F. B. Lumsden, Esq.	8	2	6	48	28.8	34.67	176	130
D Lewes Waterworks (Kingston)	.. Borough Water Engineer	8	1	3	11	34.6	40.36	192	146
D Lewes (The Avenue)	.. R. Shanks, Esq.	5	1	0	130	...	35.28	186	130
D Plumpton (School of Agriculture)	.. Principal	5	1	0	250	...	42.81	...	...
D Piltown (Moses Farm)	.. J. E. Archard, Esq.	5	1	8	150	30.2	35.86	...	...
D Uckfield (County Secondary School)	H. F. Pearmain, Esq., M.A.	5	1	6	157	...	35.09	163	128
D Piltown (Ringwood)	.. Capt. Stanley Pott	5	1	3	120	...	31.56	...	...
D Haywards Heath (Abbots Leigh)	.. C. Hales, Esq., J.P.	5	1	0	250	...	37.72	188	150
D Haywards Heath (Paddockhall Road)	Chas. Holman, Esq.	5	1	0	260	...	38.24	202	143
D Fletching (Wilmshurst)	.. H. H. W. Boyes, Esq.	5	0	8	290	...	39.87	...	155
D Horsted Keynes (Holy Well P.S.)	.. W. H. Ashmole, Esq.	8	1	8	124	31.5	35.95	190	146
D Ardingly (Shell Brook W.W.)	.. W. H. Ashmole, Esq.	5	1	3	127	...	35.89	194	148
D Horsted Keynes (Cinder Hill)	.. L. A. Wood, Esq.	5	1	0	300	31.7	36.37	209	152
D Horsted Keynes (Birch Grove)	.. Miss Fyfe	5	1	0	400	33.2	37.99	221	158
D Balcombe (Lullings)	.. Mrs. M. Holland	5	1	0	348	34.8	40.45	208	156
D Balcombe (Waterworks)	.. W. H. Ashmole, Esq.	8	1	0	467	33.9	37.02	200	148
D Balcombe (Highley Manor)	.. Mr. B. T. Brooks	8	1	6	420	34.2	39.43	214	155
5.—CUCKMERE & C. 189 sq. mi.									
D EASTBOURNE (Wilmington Square)	.. Medical Officer of Health	5	1	0	20	30.7	36.96	179	140
D EASTBOURNE (Coastguard Station)	.. Station Officer, for M.O.	5	1	0	17	...	35.84	170	139
D Eastbourne (Summerdown Road)	.. A. C. Fraser, Esq.	5	1	0	122	...	36.74	178	149
D Friston (Water Tower)	.. Eastbourne Waterworks	5	1	0	389	...	39.16	185	152
D Friston	.. Eastbourne Waterworks	8	1	0	104	30.8	37.71	199	158
D Jevington	.. Eastbourne Waterworks	8	1	0	274	31.7	40.45	204	155
D Litlington	.. Eastbourne Waterworks	8	1	0	19	30.5	35.74	174	137
D Willingdon (Hampden Park)	.. R. G. Lorton, Esq.	5	1	0	30	...	39.21	191	145
D Pevensey (Pumping Station)	.. Hailsham R.D.C.	5	1	0	12	27.0	33.30	169	131
D Pevensey Bay (Pumping Station)	.. Hailsham R.D.C.	5	1	0	7	27.0	31.84	164	134
D Polegate (Sewage Works)	.. Hailsham R.D.C.	5	1	0	26	...	37.21	203	150
D POLEGATE (Winfield Farm)	.. (+A) A. E. Moon, Esq.	5	1	0	35	...	38.32	182	144
D Hailsham (Michelham Priory)	.. F. G. H. Storey, Esq., M.A.	5	1	0	45	...	34.38	162	132

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.)									
5.—CUCKMERE & C.—(contd.)									
D Bexhill (Pebsham Lane)	Mrs. C. A. Bishop	5	1	0	40	...	33.35	187	143
D BEXHILL (Egerton Park)	(+A) Bor. Council (H. J. Sargent)	8	1	0	12	26.3	33.12	175	137
D HASTINGS (White Rock)	Town Clerk	5	1	0	149	28.7	31.93	173	137
D St. Leonards (Filsham Waterworks) ..	Water Engineer (Hastings)	5	1	0	37	27.3	32.39	167	132
D HERSTMONCEUX (Royal Observatory)	Astronomer Royal	5	1	0	120	...	32.09	177	130
D Hailsham (Magham Down)	E. M. Bear, Esq.	5	1	0	90	28.4	32.04	178	134
D Hellingly (Amberstone)	Eastbourne Waterworks ..	5	1	2	29	...	32.00	158	127
D Hellingly (Hospital)	Medical Superintendent ..	5	0	7	140	...	33.23	187	138
D Hazards Green (Pumping Station) ..	Bexhill Waterworks	5	1	7	74	26.0	29.94	180	136
D Hastings (Newgate)	Water Engineer	8	1	0	243	27.5	33.89	168	131
D Hastings (Clive Vale)	Miss K. Moon	5	1	0	328	28.4	35.73	175	143
D Hastings (Halton Reservoir)	Water Engineer	5	1	0	294	28.6	33.13	162	137
D St. Leonards (Ashbrooke Lodge) ..	N. Lang-Smith, Esq.	5	1	0	230	...	35.59	173	135
D Hollington (Baldslow Reservoir) ..	Water Engineer (Hastings)	8	1	0	422	...	34.45	173	135
D Battle (Crowhurst Park)	Mr. H. Thompson	8	1	0	440	...	38.16	185	153
D Cowbeech (Pumping Station) ..	Bexhill Waterworks	5	1	7	100	...	32.46	184	139
D Horam (Coxlow)	Major E. Harrison	5	1	3	250	29.7	36.23	171	139
D Heathfield (Birchford Farm) ..	Mrs. D. Hook	5	1	0	358	32.0	41.65	189	155
D Heathfield (Cross-in-Hand) ..	C. Birnstingl, Esq.	5	1	0	305	...	40.96	200	151
6.—ROTHER. 194 sq. mi.									
D Icklesham	Kent River Board	8	1	6	150	...	34.09	170	129
D Hastings (Fairlight Reservoir) ..	Water Engineer	5	1	0	513	29.3	33.61	175	143
d Hastings (Fairlight, Machico) ..	E. J. Watts, Esq.	5	1	0	100	27.6	32.14	...	141
D Battle (Oakhurst Road)	A. G. Culmer, Esq.	5	1	6	275	...	39.69	192	137
D Brede (Pumping Station)	Water Engineer (Hastings)	5	1	0	26	28.3	35.05	183	138
D SEDLESCOMBE Rectory	Rev. G. N. Martin	5	1	0	188	...	36.29	196	134
D Udimore (The Wick)	Major R. P. Mair	8	1	0	92	28.9	33.27	167	124
D Rye (Midrips)	Kent River Board	8	1	0	15	...	25.46	160	111
d Playden (Scots Float)	Kent River Board	5	0	10	14	...	31.43	...	123
D Brightling Park	Major M. Grissell	5	1	0	545	34.1	42.55	198	145
D Brightling (Bleak House)	T. W. C. Terry, Esq.	5	1	0	550	33.6	42.09	202	153
d Robertsbridge (Darvell Hall San.) ..	Medical Superintendent ..	5	3	0	100	29.1	39.22	167	141
D Burwash (Burnt House Farm) ..	Capt. F. S. Gregory	5	1	0	350	...	39.30	170	137
D Burwash (Bateman's)	C. W. Parish, Esq.	5	1	0	50	...	42.34	186	154
D Iden (Havencroft)	J. N. Baker, Esq.	5	0	10	133	...	32.52	187	136
D Rye (Iden)	Admiral Sir Aubrey Smith	5	1	0	150	...	30.12	164	130
D Hawkhurst (BODIAM)	A. Guinness, Son & Co., Ltd.	5	1	0	73	...	36.91	193	138
D Hurst Green (Bellhurst Farm) ..	C. C. Langer, Esq.	5	1	0	275	...	36.73	187	151
D Northiam (Great Dixter)	Lloyd Quentin, Esq.	5	1	0	209	29.5	33.61	186	134
D Burwash (Crowhurst Bridge) ..	Heathfield Dist. Water Co.	5	0	11	97	...	36.87	194	140
D Mayfield (Cranesden)	Sir Frederick Godber	5	1	0	345	...	38.08	177	142
D Wadhurst (Stonegate)	W. J. Wheeler, Esq.	5	1	0	230	32.6	39.79	207	152
7.—MEDWAY. 117 sq. mi.									
D Rotherfield (Horsegrove Farm) ..	F. W. Shaw, Esq.	5	1	0	528	35.3	43.09	207	158
D Crowborough (Jarvis Brook) ..	Crowborough Water Co. ..	5	1	0	325	35.0	42.53	205	157
d Jarvis Brook (Salters)	Gp. Capt. J. Hunnard	5	1	6	400	...	39.27	...	...
d Crowborough (The Beacon)	A. R. Allcroft, Esq.	5	1	0	796	36.7	42.96	...	158
D Tunbridge Wells (Cousley Wood) ..	A. Wilkin, Esq.	5	1	0	415	...	36.23	209	164
D Hartfield (Beechcroft)	Miss C. H. Foyster	5	1	0	370	34.1	38.32	229	141
D Forest Row (Rystcot)	Mrs. J. E. Brown	5	1	0	200	...	37.16	182	138
D West Hoathly (Duckyls)	Mrs. Craven Moore	5	1	0	600	...	39.28	195	149
D Forest Row (Park Road)	J. R. Coulthard, Esq.	5	4	6	300	...	39.09	167	139

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.)									
7.—MEDWAY—(contd.)									
d East Grinstead (Standen)	Miss H. M. Beale	5	0	7	450	...	31·90	160	127
d Frant (Henley Gardens)	Mrs. Benskin	5	1	0	440	32·2	38·38	181	142
d Frant (Eridge Castle)	Mr. P. M. Ward	5	1	0	400	34·3	37·57	179	151
d Crawley Down (Grange Hill) ..	Miss L. T. A. Buckley ..	5	1	0	450	34·0	36·77	189	137
8.—THAMES. Mole. 27 sq. mi.									
d Crawley (Broadfield) (+A)	M. Milne, Esq., B.Sc. ..	5	1	0	300	...	39·01	203	145
d Worth (Worth Lodge)	Miss M. C. Nix	5	1	0	340	31·6	37·68	208	148
d Crawley (County Oak Sew. Wks.) (+A)	M. Milne, Esq., B.Sc. ..	5	1	0	210	...	36·16	202	134
d Crawley (The Beeches)	M. Longley, Esq.	8	1	0	220	31·2	37·33	191	145
9.—THAMES. Wey. 10 sq. mi.									
HAMPSHIRE. (Area, 1,627 sq. mi.)									
1.—ISLE OF WIGHT. 150 sq. mi.									
d ST. CATHERINE'S POINT (Lighthouse) ..	Trinity House, for M.O. ..	5	1	0	51	27·8	34·57	186	132
d Ventnor (St. Lawrence)	Fraser Parkes, Esq. ...	5	0	9	100.	...	36·30	189	148
d Ventnor (Steephill Cove)	C. W. Lae, Esq.	5	1	0	8	...	35·06	192	141
d VENTNOR PARK	Surveyor	5	1	0	445	29·5	39·84	184	142
d Shanklin (Victoria Avenue)	Isle of Wight Water Board	5	1	0	170	...	42·19	187	149
d SHANKLIN	Sandown & Shanklin U.D.C.	5	1	0	180	...	41·60	194	149
d Brighstone (Pitt Place Cottage) ..	Mr. J. Higgins	5	1	8	500	27·7	29·92?	196	138
d Chillerton (Waterworks)	Isle of Wight Water Board	8	1	2	125	...	40·90	194	140
d SANDOWN (Sandham Gardens)	Sandown & Shanklin U.D.C.	5	1	0	13	30·9	34·17	173	129
d Sandown (Pumping Station)	Isle of Wight Water Board	5	1	0	60	...	37·90	177	137
d The Needles Golf Club	Mrs. G. E. Newnham ..	5	1	0	340	27·5	35·38	167	134
d Freshwater (Waterworks)	Isle of Wight Water Board	8	0	10	9	...	36·36	171	131
d Freshwater (Pumping Station) ..	Engineer in Charge ..	8	1	3	5	28·8	37·47	185	130
d FRESHWATER (West Wight School) ..	Headmaster	8	1	0	40	...	36·49	168	123
d Knighton (Waterworks)	Isle of Wight Water Board	5	0	10	100	...	38·92	173	143
d NEWPORT (Recreation Ground)	Borough Engineer	5	1	0	60	32·9	34·90	190	135
d RYDE (Esplanade Gardens)	Borough Publicity Dept. ..	5	1	0	13	29·0	37·04	189	140
d §COWES Waterworks (Broadfields) ..	Isle of Wight Water Board	5	1	0	150	29·8	35·07	182	138
d Osborne	House Governor	5	1	0	177	32·7	38·09	197	139
2.—STOUR. 37 sq. mi.									
d BOURNEMOUTH (Meyrick Park)	Medical Officer of Health ..	5	1	0	66	31·5	(36·18)	181	126
d Bournemouth (Rothesay Road)	Dr. D. N. Seth-Smith ..	5	0	8	180	...	38·17	194	135
d Bournemouth (East Avenue)	J. E. Hewitt, Esq.	5	1	0	143	28·6	36·61	173	134
d Christchurch (Air Compressor Stn.) ..	Borough Surveyor	5	1	3	0	...	33·07	171	118
d Christchurch (Hurn Court)	The Earl of Malmesbury ..	8	1	2	23	32·2	33·07	...	...
d HURN (Bournemouth Airport)	Meteorological Office ..	5	1	0	33	...	33·42	180	123
3.—EAST AVON & C. 114 sq. mi.									
d Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	1	0	135	31·3	37·00	195	137
d Ringwood (Bisterne)	Major J. D. Mills	8	1	2	43	30·9	37·79	177	143
d Ringwood (Crow Hill)	L. Collings-Wells, Esq. ..	5	1	0	200	...	(36·73)	...	...
d Ringwood (Hangersley)	Col. E. G. St. Aubyn, D.S.O.	5	0	9	200	...	36·54	190	133
d RINGWOOD (Hightown)	Miss M. A. M. Penrose, B.Sc.	8	1	0	250	...	38·05	188	133
d Ringwood (Grey Friars)	Miss H. Christy	5	1	0	50	28·4	38·22	194	129
d Ringwood (Linwood)	Miss R. M. Haines	5	0	9	138	32·0	40·86	204	147
d Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1	0	140	31·1	36·64	200	121
d Fordingbridge (Furze Hill)	G. G. Smith, Esq.	5	0	5	150	...	39·04	193	156

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HAMPSHIRE—(contd.)									
4.—TEST & SOLENT. 551 sq. mi.									
D Milford-on-Sea (Farlights)	Mrs. F. W. Brown	5	1	0	50	...	36·44	207	137
D Milford-on-Sea (Manor Road)	Miss M. B. Clark	5	0	11	56	...	35·65	185	137
D EVERTON (Efford)	Director, Exp. Hort. Stn. ..	5	1	0	51	...	33·40	163	126
D Lymington (Waterford)	G. Froome, Esq.	5	1	0	6	...	35·05	183	130
D New Milton (Ashley County School)	Headmaster	5	0	8	104	30·7	34·01	180	134
Sway (Little Flanders)	Rev. C. F. Ford	5	1	0	120	...	(37·74)	...	...
d Lymington	Borough Engineer	5	1	0	57	...	37·18	...	128
d Holmsley (Toll House)	Forestry Commission ..	5	1	0	212	...	42·62	...	...
D Exbury	L. N. de Rothschild, Esq. ..	5	1	0	80	29·2	34·01	170	122
D Brockenhurst (County High School) ..	Headmaster	5	1	0	43	...	37·04	170	131
D Burley (Anderwood Cottage)	Forestry Commission ..	5	1	0	135	...	42·99	199	148
D Hythe (Butts Ash Lane)	Miss J. M. Baker	5	1	0	130	30·6	39·71	214	143
d Bartley (The Nurseries)	Manager	5	1	0	100	32·0	40·64	...	...
D SOUTHAMPTON (East Park)	Director, Ordnance Survey	5	1	0	64	30·9	34·83	197	131
D Romsey (Embley Gardens)	A. White, Esq.	5	1	0	130	30·3	37·66	194	141
D Romsey (Timsbury Pumping Station)	J. Hawksley, Esq., O.B.E. ..	5	1	0	99	29·8	34·86	178	129
D Hursley (Merdon Manor)	Sir George Cooper, Bart. ..	5	1	0	360	...	38·67	187	147
D Sparsholt (Garstons)	Mr. C. H. Thompson	5	1	3	350	...	37·83	211	151
D Stockbridge (Houghton Lodge)	Col. R. C. O. Parker, O.B.E.	5	1	0	112	30·5	34·64	193	138
Stockbridge (Houghton Down Farm)	R. H. Pantling Esq.	5	3	4	250	...	32·87	...	132
Stockbridge (Rectory)	Rev. N. A. S. Tupholme ..	5	0	10	130	...	38·98	...	145
D Crawley (Chilbolton Down)	G. W. S. Beale, Esq.	8	1	2	350	31·0	36·82	192	146
D Stockbridge (LECKFORD Estate)	General Manager	5	1	0	385	...	35·09	200	140
D Sutton Scotney (Wonston Manor)	J. H. Gray, Esq.	5	1	0	233	...	31·38	205	134
D Andover (Sewage Works)	Borough Surveyor	8	1	0	180	28·9	32·42	195	138
D Andover (Waterworks)	Borough Surveyor	8	1	0	205	...	31·32	173	122
d Overton	Portals Ltd.	5	1	0	240	...	33·65	...	...
D St. Mary Bourne (Bournside)	Mrs. H. F. M. Boys, B.Sc.	5	1	1	300	29·4	33·85	199	128
D Worting (Manydown Park)	Col. A. S. Bates, D.S.O. ..	5	1	0	415	30·2	36·17	170	140
D Whitchurch (Dunley Manor)	Sir Alfred Herbert	5	1	0	500	30·8	34·12	183	142
D Linkenholt Manor	R. Dudley, Esq.	5	1	0	700	32·5	38·23	172	146
5.—ITCHEN & SPITHEAD. 422 sq. mi.									
D South Hayling (Loridge)	Miss M. Marsh	5	0	10	10	...	30·89	171	124
D Gosport	Borough Surveyor	8	0	9	30	28·8	33·09	178	129
D PORTSMOUTH (Southsea Common)	Medical Officer of Health ..	5	1	0	7	27·7	32·73	167	124
D Portsmouth (Eastney)	City Engineer	8	1	0	12	25·3	31·62	170	125
d South Hayling (County School)	Headmaster	5	1	6	10	...	(33·45)	(177)	(133)
D Farlington (Pumping Station)	Portsmouth Water Co. ..	5	1	0	78	28·5	36·18	187	140
D Farlington Reservoirs	Portsmouth Water Co. ..	5	1	0	117	28·9	35·79	187	140
D Farlington (Filter Works)	Portsmouth Water Co. ..	5	1	0	157	27·9	35·07	188	137
D Havant (Portsmouth Waterworks) ..	Portsmouth Water Co. ..	5	1	0	25	27·7	36·32	182	140
D Fareham (West Street)	N. E. Neville, Esq.	5	1	0	41	30·2	37·41	192	139
D Fareham (Maindell Waterworks)	Engineer & Surveyor	8	1	6	36	31·0	38·78	223	144
Southwick (Pinsley Lodge)	Portsmouth Water Co. ..	5	1	0	150	30·3	38·99	...	...
D Woolston Depot	Engineer and Surveyor ..	5	5	8	13	30·0	32·38	160	117
D Idsworth (Water Tower)	Portsmouth Water Co. ..	5	1	0	201	32·0	37·96	...	...
d Idsworth (Quarry)	Agricultural Contractors Ltd.	5	1	0	320	...	42·61	...	...
Southwick (Upper Beckford Farm) ..	Portsmouth Water Co. ..	5	1	0	112	30·8	37·47	...	...
D Hambledon (Worlds End)	Portsmouth Water Co. ..	5	1	0	115	...	37·74	191	138
D Southampton (Bitterne Park)	W. E. White, Esq.	5	1	0	25	...	35·04	192	140
D Southampton (Portwood)	Borough Engineer	5	1	10	10	29·7	32·74	187	123
D Southampton (South Hill Reservoir)	J. Hawksley, Esq., O.B.E. ..	5	1	0	201	30·8	35·74	177	129

|| Site unorthodox.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
HAMPSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
5.—ITCHEN & SPITHEAD—(contd.)									
D SOUTHAMPTON (EASTLEIGH)	Meteorological Office	5	1	0	35	...	32·51	184	121
D Curdridge (Sunnyside)	Miss V. F. Cooke	5	0	9	95	30·7	39·36	221	150
Catherington Reservoir	Portsmouth Water Co.	5	1	0	428	34·2	(42·72)	...	...
d Swanmore (Holywell House)	Mrs. E. M. Portal	5	1	6	180	32·2	38·03	...	153
Hambledon (Whitedale)	Portsmouth Water Co.	5	1	0	223	34·0	37·52	...	...
d Soberton (Mislingford)	Gosport Waterworks Co.	5	1	0	136	31·7	38·32	196	146
D Droxford (Upper Swanmore)	H. Gadsby, Esq.	5	1	0	312	33·2	38·90	206	153
D Bishops Waltham (Wintershill Hall) ..	Mr. E. A. Roberts	5	1	0	300	...	36·26	192	138
d Bishopstoke (Church Road)	A. Clark, Esq.	5	1	4	95	...	35·00	197	127
D Petersfield (Ditcham Park)	Portsmouth Water Co.	8	1	0	555	...	46·23	185	155
D Otterbourne (Kingfisher Lodge)	Major T. T. Phelps	5	0	10	80	...	35·80	187	136
D Otterbourne (Waterworks)	J. Hawksley, Esq., O.B.E.	5	1	0	113	30·7	39·49	220	148
D Twyford (Pumping Station)	J. Hawksley, Esq., O.B.E.	5	1	0	138	31·1	38·48	189	138
D WINCHESTER (Recreation Ground)	Medical Officer of Health	5	1	0	121	...	38·04	186	147
D Winchester (Romsey Road W.W.)	City Water Engineer	5	2	0	270	...	36·37	188	144
D Winchester (Berewecke Road)	J. L. St. John, Esq.	5	1	0	225	...	37·83	203	149
D Winchester (Beaconsfield House)	Late F. B. Heathcote Wride	8	1	6	228	...	37·96	201	148
D Ovington Rectory	Rev. H. L. Atkins	5	1	0	221	33·2	39·23	187	140
D Winchester (Harestock)	C. M. Layton, Esq.	5	1	0	220	...	37·25	203	142
D Bishop's Sutton	H. C. Mills, Esq.	5	1	0	260	...	36·85	201	147
D Itchen Abbas (Chilland)	W. J. Arnold, Esq.	8	1	6	200	30·5	33·96	204	138
d Itchen Abbas (The Down House)	Mrs. Savile	8	1	0	200	...	33·80	180	132
D Itchen Abbas (Barn Close)	Mrs. H. F. Rawstorne	5	1	0	200	...	35·53	205	145
D Ellisfield Manor	H. Hoare, Esq.	5	1	0	635	...	36·80	206	144
D Alresford (Lower Lanham)	C. H. Hayter, Esq.	5	1	0	400	...	38·61	205	156
6.—ARUN. 82 sq. mi.									
D Petersfield (Oaklea)	W. Bennetts, Esq.	5	0	10	235	...	42·62	207	140
d Liss (Kippences)	Rev. W. L. de B. Thorold	5	0	9	250	33·3	41·58	...	140
Greatham (Manor House)	Capt. A. F. Coryton, J.P.	5	1	0	260	32·5	37·32	...	...
7.—THAMES. Wey. 92 sq. mi.									
D East Tisted (Rotherfield Park)	Col. J. B. Scott	5	1	0	555	37·1	43·04	186	150
D Alton (Treloar Orthopaedic Hospital) ..	Secretary	5	1	6	350	32·8	35·45	169	134
D Kingsley (Sleaford)	M. Nimmo, Esq.	5	1	0	220	29·0	35·08	207	137
D Alton (Waterworks)	Engineer and Surveyor	5	1	0	440	32·2	34·26	194	137
d Alice Holt Forest	Forestry Commission	8	1	0	250	30·0	32·69	...	...
D ALICE HOLT LODGE	Forest Research Station	5	1	0	378	29·5	33·89	187	138
8.—THAMES. Loddon. 164 sq. mi.									
w Swainshill	Mid-Wessex Water Co.	5	1	7	550	31·3	36·01	...	...
D LONG SUTTON	Lord Wandsworth College	5	1	0	479	30·1	31·33	166	134
D Basingstoke (Upton Grey House)	Mr. H. W. Kinge	5	1	0	400	28·8	31·33	200	139
D Aldershot (Waterworks)	Mid-Wessex Water Co.	5	1	0	251	27·0	31·47	185	132
D Aldershot Reservoirs	Mid-Wessex Water Co.	5	1	0	393	27·2	20·76	200	134
D Greywell (Pumping Station)	Mid-Wessex Water Co.	5	1	0	263	26·3	31·01	204	127
D Basingstoke (Chequers Road)	N. R. Grover, Esq.	5	1	0	270	...	32·66	182	124
D Hook (Nately Hatch)	R. C. Mallock, Esq.	5	1	0	328	26·7	31·77	193	132
d Hook (Fruit Farm)	C. H. Mann, Esq.	5	1	6	300	...	29·88	...	...
D Fleet (King's Road)	A. C. Allen, Esq.	8	1	0	230	...	30·21	163	124
d Fleet (Quilllets)	S. H. Langton, Esq.	5	1	0	300	25·4	(29·10)	...	...
D Hartley Wintney (Warren Heath)	Hartley Wintney R.D.C.	5	1	0	226	25·8	29·80	171	123
D Hartley Wintney (S.D. Works)	Hartley Wintney R.D.C.	5	1	0	180	25·8	30·91	170	131
D BLACKBUSHE Airport	Meteorological Office	5	1	0	324	...	28·78	179	117
D SOUTH FARNBOROUGH (R.A.E.) (+A)	Meteorological Office	8	1	0	226	26·1	29·72	176	119
d Winchfield (Elvetham Park)	Mr. T. J. Brownjohn	8	1	0	217	26·8	29·04	...	...
D Heckfield (Park Corner)	Mr. W. Smith	5	1	2	257	24·6	31·49	219	143

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
				Ground	Sea Level			or more	or more
9.—THAMES. Kennet. 65 sq. mi.									
D Kingsclere (Isle Hill)	C. E. Harvard, Esq. ..	5	1	6	500	...	38·92	202	147
D Highclere (Horris Hill)	T. F. H. Morton, Esq. ..	5	1	0	390	...	35·95	208	135
d Kingsclere (N. Sydmonton House) ..	Lt.-Col. Kingsmill, D.S.O.	5	1	2	350	...	32·18	...	...
D Silchester House	T. M. Hartley, Esq. ..	5	1	0	305	25·0	31·14	165	121
BERKSHIRE. (Area, 722 sq. mi.)									
1.—TEST. 2 sq. mi.									
2.—THAMES. Bourne. 15 sq. mi.									
D Sunninghill (Blacknest Pumping Station)	Surveyor, Windsor R.D.C.	8	1	0	130	26·0	29·90	181	127
D Sunninghill (Cedars)	H. B. Turle, Esq. ..	5	0	10	275	...	30·67	195	126
3.—THAMES. Loddon & c. 162 sq. mi.									
d Wellington College	R. Moss, Esq., M.A., B.Sc.	5	1	0	290	26·4	29·87	...	...
D Beech Hill (Waveney)	Miss D. Page-Roberts ..	5	1	0	220	...	27·46	187	130
d Broadmoor Institution	Medical Superintendent ..	5	1	0	300	27·6	30·02	...	119
D Wokingham (Bucks Copse)	Borough Surveyor ..	5	1	0	174	24·7	31·87	192	129
d Wokingham (Bearwood Gardens) ..	Head Gardener ..	8	1	3	163	...	31·89	...	...
D Wokingham (Sindlesham House) ..	Mr. W. Balcombe ..	5	4	0	200	25·4	30·26	164	128
D Wokingham (Reading Road) ..	P. Chandler, Esq. ..	5	1	0	182	...	30·01	180	127
D Wokingham (Winnersh Nursery) ..	J. T. Adams, Esq. ..	5	1	0	180	...	27·09	157	117
D Earley (Wokingham Road)	W. Bates, Esq. ..	5	1	0	150	...	27·33	180	124
D Billingbear Lodge	L. A. Hackett, Esq. ..	5	1	0	183	...	30·87	176	131
D Warfield (Jealott's Hill)	Imperial Chem. Ind., Ltd.	5	1	0	220	25·8	29·88	175	132
D READING (SEED TRIAL GROUNDS) ..	Martin A. F. Sutton, Esq.	5	1	0	141	...	27·77	171	122
D Old Windsor (Straight Road) ..	J. W. E. Bye, Esq. ..	5	1	0	59	...	28·45	185	122
D Sonning (University Farm)	G. M. Milbourn, Esq. ..	5	0	10	168	...	28·92	177	126
D Twyford (Beenham's Heath)	Mid-Wessex Water Co. ..	5	1	0	139	...	28·94	178	130
D Windsor (Royal Gardens)	Head Gardener ..	5	1	1	88	24·9	30·46	185	130
D Twyford (Hare Hatch)	J. Waterer, Sons & Crisp, Ltd.	5	1	0	180	...	37·59	204	156
d Wargrave (Piggott School)	Headmaster ..	5	1	0	124	...	26·79	...	...
D Wargrave (The Thatched House) ..	Mrs. E. Sharp ..	5	1	0	200	...	30·62	228	143
D Maidenhead (Shoppenhangers Road)	G. Stow, Esq. ..	5	1	6	180	...	28·76	181	133
D Maidenhead (Sewage Works) .. (+A)	Borough Engineer ..	5	1	0	81	...	27·78	180	127
D Maidenhead (Boulter's Lock)	Thames Conservancy ..	5	1	6	82	...	28·77	199	133
D Hambleden Lock	Mr. G. O'Connor ..	5	2	0	105	27·0	32·80	177	135
4.—THAMES. Kennet & c. 224 sq. mi.									
D HURLEY (Hall Place Farm)	Dir. Grassland Research Inst.	5	0	10	296	...	28·89	162	131
D Inkpen (New Mill)	G. C. Goodhart, Esq. ..	5	1	5	485	32·5	36·61	197	131
D Mortimer (Grazeley Green)	P. L. d'E. Skipwith, Esq. ..	5	1	0	164	26·1	30·44	159	121
d Brimpton (Stonehouse)	F. L. Hadden, Esq. ...	5	1	0	350	27·5	32·80	...	130
D Kintbury (Sewage Works)	C. S. Drummond, Esq. ..	5	1	0	310	...	35·13	195	137
d Hungerford Park	Mrs. A. G. Turner ..	5	0	10	400	...	34·75	...	122
D Newbury (Gloucester Road)	L. Giles, Esq. ..	5	2	0	250	...	33·10	180	136
D SHINFIELD (University Hort. Farm) ..	Prof. R. H. Stoughton, D.Sc.	5	1	0	200	...	28·22	167	121
D WOOLHAMPTON (Douai Abbey)	The Abbot ..	5	1	0	370	...	29·74	192	121
D Reading Waterworks (Bath Road) ..	O. Kean, Esq., C.E. ..	5	1	0	217	24·4	29·73	194	130
D Reading (Forbury Gardens)	K. H. Thorpe, Esq. ..	5	1	8	143	24·9	29·49	166	125
D READING (University)	Prof. R. H. Stoughton D.Sc.	5	1	0	152	...	28·95	171	129
D Reading (Caversham Lock) .. (+A)	Thames Conservancy ..	5	1	0	123	...	28·24	171	123
D Caversham (St. Peter's Hill)	J. A. Sargent, Esq. ..	5	1	6	210	25·0	30·00	159	126
D Chieveley (Priors Court)	Mr. S. F. Tuffley ..	5	1	0	403	...	31·29	198	134
D Peasmore House	Mrs. E. Brown ..	5	1	6	400	...	30·16	179	118
D Cold Ash (The Ridge)	A. A. Lawrence, Esq. ..	5	1	0	488	...	33·80	176	155

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BERKSHIRE—(contd.)									
5.—THAMES. Ock & c. 319 sq. mi.									
D Stanford Dingley (Dingley Cottage) ..	C. O. Lowsley, Esq. ..	5	1	0	400	...	30.29	161	134
D Reading (Englefield) ..	H. A. Benyon, Esq. ..	5	1	0	175	27.4	30.44	180	139
D Bradfield (Pumping Station) ..	Mid-Wessex Water Co. ..	5	1	0	174	...	29.48	173	129
d Yattendon (Yattendon Court) ..	J. F. N. Grange, Esq. ..	8	2	4	360	...	31.42	...	...
d Ashampstead (Pyt House) ..	Capt. F. M. M. Carlisle ..	5	1	0	260	...	30.94	...	...
D Moulsoford (The Old Vicarage) ..	Miss B. J. Abbott ..	8	1	3	170	...	31.23	164	115
d Wantage (Lockinge Estate Office) ..	Capt. J. H. Lane Fox ..	5	1	1	400	27.8	33.25	167	136
D Cholsey (School House) ..	W. D. Campbell, Esq. ..	5	0	10	150	...	29.50	198	124
D Cholsey (Bow Bridge) ..	Frank K. Weedon, Esq. ..	5	1	0	151	24.9	29.87	180	129
D Wallingford (Wantage Road) ..	A. Tame, Esq. ..	5	1	0	184	...	26.26	152	110
D Wallingford (Style Acre) ..	A. L. Morphey, Esq. ..	5	1	4	200	25.2	27.28	181	131
D Didcot (Sewage Works) ..	Wallingford R.D.C. ..	5	0	9	170	...	27.40	187	121
d Steventon (Hanney Road) ..	R. H. Marshall, Esq. ..	5	1	0	250	...	27.49	...	117
D Faringdon (Shellingford House) ..	Mrs. K. Marshall ..	5	0	10	275	...	28.89	192	131
D Great Coxwell (Court House Farm) ..	A. B. Williams, Esq. ..	5	1	0	350	...	30.15	187	136
d Abingdon (Drayton) ..	G. Mudford, Esq. ..	5	1	0	194	...	24.96	...	...
D Abingdon (Sewage Works) ..	Borough Surveyor ..	8	1	0	170	22.8	25.52	192	114
D Abingdon (The Firs) ..	Miss M. R. Challenor ..	5	1	3	180	23.7	25.96	180	116
D Abingdon (Christ's Hospital) ..	F. Lewis, Esq. ..	5	1	0	190	...	25.68	188	123
D Abingdon (Norman Avenue) ..	J. L. West, Esq. ..	5	0	11	200	...	26.25	210	124
D Buckland ..	Major J. Orr-Ewing, M.C. ..	5	0	11	310	...	27.44	159	118
D Abingdon (Frilford Heath) ..	R. A. Langford, Esq. ..	5	1	0	240	...	26.54	191	122
D ABINGDON Airfield ..	(+A) Meteorological Office ..	5	1	0	210	...	25.42	175	112
D Abingdon (Sandford Lane Sew. Wks.) ..	D. Madley, Esq. ..	8	1	5	220	...	25.55	185	120
D Abingdon (Wootton Waterworks) ..	Borough Surveyor ..	8	1	0	265	...	27.06	186	122
D Boars Hill (Blackthorn) ..	A. C. Pilkington, Esq. ..	5	1	0	410	25.6	28.82	206	134
D Oxford (Kennington Nursery) ..	Forestry Commission ..	5	1	0	300	24.7	27.72	183	128
D Eynsham (Swinford Pumping Station) ..	H. H. Crawley, Esq., C.E. ...	5	1	0	203	...	26.94	177	127

DIVISION III—SOUTH MIDLAND COUNTIES

MIDDLESEX. (Area, 232 sq. mi.)

1.—THAMES. Colne & Brent. 185 sq. mi.

D Weybridge (Shepperton Lock) ..	Thames Conservancy ..	5	1	0	41	23.1	29.40	186	118
D Sunbury (Thames Street) ..	K. H. M. Noble, Esq. ..	5	1	6	32	...	26.28	...	...
D Littleton (Queen Mary Reservoir) ..	Metropolitan Water Board ..	5	1	0	44	23.0	27.38	156	119
D HAMPTON (Waterworks) ..	(+A) Metropolitan Water Board ..	5	1	0	39	22.7	25.59	173	107
D Kempton (Waterworks) ..	Metropolitan Water Board ..	5	1	0	40	22.6	25.29	159	115
D Hampton (Refuse Disposal Works) ..	L. G. Hamlin, Esq. ...	5	1	1	60	...	26.62	182	124
D Teddington (Stanley Road) ..	G. Nicholson, Esq. ...	5	1	0	42	...	26.82	168	114
D Staines (Pumping Station) ..	Metropolitan Water Board ..	5	1	0	55	...	28.97	166	123
D Staines Reservoir (West Side) ..	Metropolitan Water Board ..	5	1	0	53	23.8	29.28	166	126
D Isleworth (Mogden Works) ..	(+A) C. B. Townend, Esq., C.E. ..	5	1	0	33	...	26.76	170	122
D Longford (Perry Oaks Disp. Works) ..	C. B. Townend, Esq., C.E. ..	5	1	0	77	...	27.05	149	127
D Hounslow (Pawnall Gardens) ..	P. W. Miller, Esq. ..	5	1	6	70	...	26.73	183	117
D Hounslow (Berkeley Avenue) ..	J. E. Cacutt, Esq. ..	5	1	0	80	...	27.69	175	119
D LONDON AIRPORT ..	(+A) Meteorological Office ..	5	1	0	80	...	27.06	164	116
D Kew Bridge (Waterworks) ..	Metropolitan Water Board ..	5	1	6	36	24.1	27.11	170	118
d Chiswick (Town Hall) ..	Borough Engineer ..	8	1	4	27	23.3	27.25	...	...
D Harmondsworth (Road Res. Lab.)(+A) ..	D.S.I.R. ..	5	1	0	80	...	29.03	177	125
D Hayes ..	H. J. Harley, Esq. ..	8	1	0	120	...	29.57	189	133
D Ealing (Hanger Hill Reservoir) ..	Metropolitan Water Board ..	5	1	0	206	24.7	28.41	165	130
d Uxbridge (Cowley) ..	E. H. Hanson, Esq. ..	5	1	0	160	...	27.96	...	...
d Willesden Reservoir ..	Metropolitan Water Board ..	5	1	0	167	25.6	29.05	...	...
D Willesden (Stonebridge Park) ..	Borough Engineer ..	5	5	9	100	...	29.27	174	130

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MIDDLESEX—(contd.)									
1.—THAMES. Colne & Brent—(contd.)									
D NORTHOLT Airport	(+A) Meteorological Office	5	1	0	131	...	28.35	171	122
D Greenford (Whitton Drive)	R. M. Eadie, Esq.	5	1	4	152	...	28.91	152	124
D Wembley (Town Hall)	(+A) Borough Engineer	5	1	0	187	...	26.14	172	118
D Harrow (Oakhurst)	A. Gardner, Esq.	5	1	3	295	24.2	28.73	196	128
D Harrow (Eastcote Lane)	D. M. Woodman, Esq.	5	1	4	175	...	27.34	175	118
D Brent Reservoir	(+A) British Waterways	5	0	10	138	...	27.00	187	125
D Kingsbury (Dors Close)	B. P. FitzGerald, Esq.	5	1	0	155	...	29.60	184	129
D Rayners Lane (High Worple)	R. H. Daw, Esq.	5	1	0	153	...	28.11	200	126
D Ruislip	(+A) Middlesex County Council	5	1	6	142	...	28.10	176	128
D Harrow (Welldon Crescent)	S. Hyla Greves, Esq.	5	1	0	200	...	28.12	191	127
D Hendon (Council Depot)	J. L. Pelham, Esq., C.E.	8	1	0	157	...	26.86	176	124
D Hampstead Gdn. Suburb (Hurst Close)	E. Gold, Esq., F.R.S.	5	1	4	260	...	28.77	181	129
D Finchley (Church End)	Sister Marie Jacques	5	0	8	296	...	29.61	192	127
D WEALDSTONE (Kodak Works)	Kodak Ltd.	5	1	0	175	25.3	29.78	201	132
D Northwood (Briarwood Drive)	C. C. Legge, Esq.	5	1	3	150	...	28.92	...	126
D Northwood (Ravenswood)	M. T. Allen, Esq.	5	2	0	365	...	30.51	182	133
D Edgware (M.C.C. Depot)	(+A) Middlesex County Council	5	0	9	179	25.8	26.96	176	128
D Stanmore	(+A) Harrow U.D.C.	5	1	0	281	26.7	28.50	(177)	(129)
D Edgware (Francklyn Gardens)	A. R. Bill, Esq.	5	1	0	250	...	30.92	(182)	(130)
D Mill Hill (Barnet Way)	Major N. G. Brett-James	5	0	10	308	...	27.95	167	124
w Barnet (Old Ford View)	Capt. C. E. Mills	5	1	0	360	...	(32.47)	...	...
D Potters Bar (Mountgrace C'ty Sch.)	Headmaster	5	1	0	375	...	30.02	190	129
D Potters Bar (Sewage Disposal Works)	Engineer and Surveyor	5	1	0	260	...	29.86	187	126
2.—THAMES. Lea. 47 sq. mi.									
D Crouch End (Priory Park)	Hornsey Borough Council	5	1	0	118	25.8	27.38	182	125
D Hornsey (High Street)	Metropolitan Water Board	5	1	0	107	24.9	27.14	161	119
D Harringay (Wightman Road)	Hornsey Borough Council	5	1	0	90	...	27.77	170	128
D Muswell Hill (Council Nurseries)	Hornsey Borough Council	5	1	0	209	26.1	29.54	176	125
D Finchley (Avenue House)	P. M. Spencer, Esq., C.E.	5	0	11	278	26.3	28.18	183	130
D Palmers Green (Broomfield Park)	Borough Engineer	8	1	6	136	24.7	28.43	153	123
D ENFIELD (Sewage Works)	Engineer & Surveyor	5	1	3	43	...	26.45	...	114
D SOUTHGATE (Oakwood Park)	(+A) Borough Engineer	5	1	0	220	...	28.27	162	124
D Enfield (Southbury Road)	Metropolitan Water Board	5	1	0	148	24.7	27.25	170	119
D East Barnet (Ashurst Road)	E. N. Lettin, Esq.	5	1	0	254	...	29.78	187	130
D Enfield (Forty Hill)	G. H. Pearce, Esq., F.R.C.S.	5	1	0	125	...	27.15	185	132
D Enfield (Hadley Road Pump. Stn.)	Metropolitan Water Board	5	1	0	140	...	28.45	172	126
D Enfield (Whitewebbs Park)	Engineer & Surveyor	5	1	2	120	...	28.73	178	124
D Waltham Cross (Sewage Works)	Cheshunt U.D.C.	5	1	3	61	22.6	26.04	160	115
HERTFORDSHIRE. (Area, 635 sq. mi.)									
1.—THAMES. Thame. 10 sq. mi.									
D Tring (Pendley Manor)	D. E. Vallance, Esq.	5	1	0	420	28.4	32.26	194	144
2.—THAMES. Colne & Brent. 199 sq. mi.									
D Maple Cross (Sewage Works)	Colne Valley Sewerage Bd.	5	1	0	137	...	29.67	...	...
D Northwood (St. Mary's Avenue)	R. H. Daw, Esq.	5	1	0	231	...	30.05	191	130
D Batchworth Heath (Bathend)	H. H. Annetts, Esq.	5	1	0	364	...	28.10	192	131
D Bushey Heath (California Lane)	Miss C. C. Cooper	5	1	0	550	26.0	28.90	...	134
D Bushey Heath Reservoir	Colne Valley Water Co.	5	1	3	520	...	27.67	183	136
M Totteridge (West Lodge)	P. D. Walker, Esq.	5	1	4	410	26.9	27.08	...	...
D Totteridge (Great Bushey Drive)	J. Monger, Esq.	5	0	11	250	...	30.03	210	129
D Batchworth (Pumping Station)	L. F. Hobbs, Esq., C.E.	5	1	2	156	...	29.24	185	126
D Croxley Green (Hill Cottage)	B. P. Waller, Esq.	5	1	0	250	...	30.07	196	127

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
HERTFORDSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—THAMES. Colne & Brent—(contd.)									
D Chorleywood (Berry Lane)	M. B. King, Esq.	5	1	0	230	...	30·96	182	126
D Barnet (Sewage Works) .. (+A)	E. Scott, Esq., C.E.	5	1	3	296	...	31·73	196	128
D Boreham Wood (Furzehill Road) ..	H. T. Court, Esq.	5	1	0	302	...	30·72	181	127
w Elstree (Aldenham Reservoir)	Colne Valley Water Co.	5	1	0	330	...	29·18	...	...
d Elstree (Aldenham School)	Bursar	5	1	0	316	...	29·58	...	...
D Watford (Aldenham Road)	Colne Valley Water Co.	5	3	6	204	25·6	26·72	177	116
D Watford (Waterworks)	L. C. Kimberlin, Esq., C.E. ..	8	2	10	170	25·9	29·02	191	123
D Aldenham (C.E. School)	L. W. Stratton, Esq.	5	1	0	298	...	27·68	176	114
D Watford (Callowland)	K. C. Rees, Esq.	5	1	0	250	...	26·78	178	119
D Garston (Building Research Stn.) (+A)	Director	5	1	0	250	...	28·13	171	116
D Kings Langley (Fir Tree Cottage) ..	Miss H. M. Toms	5	1	0	278	28·1	32·04	197	134
D BOVINGDON Airport (+A)	Meteorological Office	5	1	0	516	...	32·84	186	132
D North Mimms (Pumping Station) (+A)	Barnet District Water Co. ..	5	1	0	254	...	28·39	173	116
D Hemel Hempstead (Apsley Mills) ..	J. Dickinson & Co. Ltd. ..	24	1	4	268	27·9	30·95	193	141
Boxmoor (Moorlands)	L. W. Swainson, Esq.	5	1	0	300	...	32·03	...	...
D Colney Heath (Tytenhanger Pump. Stn.)	Barnet District Water Co. ..	5	1	0	241	25·7	27·44	173	112
d St. Albans (Hill End Hospital)	Controller	5	1	0	295	25·1	26·34	...	115
D St. Albans (Stonecross Pumping Stn.)	L. W. Ball, Esq.	5	1	6	420	...	28·82	180	119
d St. Albans (Townsend C.E. School) ..	J. C. Codling, Esq.	5	1	0	350	...	28·68	...	...
D ST. ALBANS (Oaklands)	Hertfordshire Inst. of Agric. ..	5	1	0	272	24·9	26·00	170	119
D St. Albans (Gorhambury)	Head Gardener	5	1	0	432	27·9	31·39	178	135
D Hatfield (Roe Green)	Dr. K. Hutton, M.A.	5	1	0	350	...	28·40	177	123
D Hatfield (Pumping Station)	Barnet District Water Co. ..	5	1	0	340	26·0	29·40	167	129
D Berkhamsted (Rossway)	Maj. A. G. N. Hadden-Paton ..	5	1	3	400	...	35·92	192	143
D Berkhamsted (Lagley)	Mrs. F. W. Johnston	5	1	0	400	28·9	33·47	186	135
d Berkhamsted (Amersfort)	W. S. Cohen, Esq.	5	1	0	520	...	34·24	167	147
D Tring (Cowroast Lock)	British Waterways	5	1	0	390	28·4	31·78	164	134
D Tring (New Ground Pumping Station)	Bucks Water Board	5	1	0	432	28·4	31·52	193	146
D §Harpenden (ROTHAMSTED) .. (+A)	Lawes Agricultural Trust	5	1	0	420	27·3	29·78	182	126
D Harpenden (Rothamsted)	Lawes Agricultural Trust	72 × 87	0	0	420	28·6	31·20	198	128
D Markyate (Waterworks)	I. Wilson, Esq.	5	1	0	538	...	34·29	197	147
3.—THAMES. Lea. 340 sq. mi.									
D CHESHUNT (Experimental Station) ..	Director, Exp. Research Stn. ..	5	1	0	83	...	27·00	169	117
d Cheshunt (Cemetery)	Cheshunt U.D.C.	5	0	11	160	...	27·48	...	...
D Northaw (Arish Mell)	W. T. Webster, Esq.	5	1	6	300	...	28·67	207	134
D Cheshunt Yard	Metropolitan Water Board ..	5	1	0	114	24·1	26·68	161	118
D Cheshunt (Darnicle Hill Pumping Stn.)	Metropolitan Water Board ..	5	1	0	250	26·2	29·68	180	124
d Hatfield (Clarke's Road)	C. A. Barnes, Esq.	8	1	0	270	...	26·02	...	...
D Broxbourne (Broxbournebury)	Mr. D. Cake	5	1	0	135	...	26·02	193	126
Hoddesdon	H. F. Hayllar, Esq.	5	3	0	130	23·7	23·84	181	...
d Hoddesdon (Feilde's Weir)	Metropolitan Water Board ..	5	1	0	95	23·7	25·01	147	124
D BAYFORDBURY	Curator, J. Innes, H.I.	5	1	0	221	...	25·26	153	117
D Haileybury College	Headmaster	8	1	0	270	24·8	25·20	178	113
D EASTWICK LODGE Farm	Harlow Development Corp. ..	5	1	0	160	...	23·70	175	116
D Hertford (Cole Green)	Lee Conservancy Catchm. Bd. ..	5	1	0	240	...	27·23	177	127
D Welwyn Garden City (Sewage Wks.)	Engineer & Surveyor	5	1	0	246	24·7	25·88	191	123
D Hertford (Sewage Works) .. (+A)	Metropolitan Water Board ..	5	1	0	123	23·3	26·08	175	118
d Ware (Amwell End Pumping Stn.) ..	Metropolitan Water Board ..	5	1	0	105	23·5	23·37	164	111
d Ware (Grammar School)	Headmistress	5	1	2	118	23·0	24·60	179	121
D Ware (Chadwell Spring)	Metropolitan Water Board ..	5	1	0	140	24·2	23·68	161	108
d Wheathampstead (Water End House)	The Countess Reventlow	5	1	0	255	...	26·20	...	...
D Welwyn (Sewage Works)	Surveyor, U.D.C.	8	0	11	260	...	25·73	184	121
d Welwyn (Codicote Lodge)	Head Gardener	5	1	0	340	25·8	(27·19)	...	...

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HERTFORDSHIRE—(contd.)									
3.—THAMES. Lea—(contd.)									
D Much Hadham (Moor Place) ..	R. C. Norman, Esq. ..	5	1	0	270	...	25.76	187	133
D Bishop's Stortford (Castle Mound) ..	Engineer & Surveyor ..	5	1	0	224	...	26.00	176	126
D Bishop's Stortford (Dunmow Road) ..	H. J. Holmes, Esq. ..	5	1	1	290	...	25.87	176	129
D Little Hadham (Hadham Hall) ..	Herts County Council ..	5	1	0	338	24.5	25.68	184	136
D Knebworth (Swangley's Lane) ..	R. G. Walker, Esq. ...	5	1	0	303	...	27.06	179	127
D Whitehall (Pumping Station) ..	Stevenage Development Corp.	5	1	0	231	...	25.18	169	126
D Stevenage (Broomin Green) ..	(+A) Stevenage Development Corp.	5	1	0	307	...	28.99	184	127
D Hitchin (Preston Hill Farm) ..	F. H. Maybrick, Esq. ..	5	1	0	484	25.2	27.44	179	124
d Stevenage (Pin Green) ..	Stevenage Development Corp.	5	1	0	452	...	(26.56)	...	...
D Ardeley Bury ..	Lee Conservancy Catchm. Bd.	5	1	0	356	...	27.15	201	141
D Buntingford (Chipping) ..	Lee Conservancy Catchm. Bd.	5	1	0	340	...	25.91	173	121
d Royston (Therfield Rectory) ..	Rev. Eliot ..	5	1	0	412	25.2	24.69	(174)	(121)
4.—OUSE. 86 sq. mi.									
d Preston (Sadleirs End) ..	H. F. Briggs, Esq. ..	5	1	0	500	...	27.91	...	...
D Hitchin (Knightswood) ..	H. Cooke, Esq. ..	5	1	2	300	...	29.09	209	138
D Letchworth (Museum) ..	(+A) Surveyor U.D.C. ..	5	1	0	290	22.4	25.84	172	134
D Barley (Dalnyveed) ..	W. F. Sermons, Esq. ..	5	1	0	300	...	22.76	155	121
D Royston (Earls Hill House) ..	Col. E. C. M. Phillips, D.S.O.	8	1	3	225	23.6	25.51	207	132
BUCKINGHAMSHIRE. (Area, 743 sq. mi.)									
1.—THAMES. Cherwell. 30 sq. mi.									
2.—THAMES. Thame. 158 sq. mi.									
D Princes Risborough (Research Lab.)	Director ..	5	1	0	333	...	32.53	183	127
D Monks Risborough (Waterworks) ..	Bucks Water Board ..	5	1	0	363	...	33.11	175	137
D AYLESBURY (County Farm) ..	Bucks Education Committee	5	1	0	316	...	28.06	185	128
d Wendover (Dobbins Lane) ..	Bucks Water Board ..	5	1	0	402	...	29.89	180	124
d Tring (Dancers End Pumping Station)	Bucks Water Board ..	5	1	0	650	...	32.66	...	...
D Tring (Bulbourne) ..	British Waterways ..	5	1	0	401	26.2	32.51	181	134
D Aylesbury (Sewage Works) ..	Engineer & Surveyor ..	5	1	0	251	25.9	26.19	166	122
Mentmore Gardens ..	Mr. T. Lindores ..	5	1	3	400	25.0	32.80	197	148
3.—THAMES. Wye & c. 129 sq. mi.									
D Eton (Tangier Island) ..	(+A) G. S. Baker, Esq. ..	5	0	8	68	24.6	30.51	184	129
D Slough (Upton) ..	Mrs. L. R. Bentley ..	5	1	0	78	23.9	29.20	179	129
D Slough (Baylis House) ..	(+A) Borough Engineer ..	5	1	0	90	...	27.92	183	132
D Taplow Court Gardens ..	G. H. Emmett, Esq. ..	5	1	0	212	23.9	27.28	182	132
D Henley-on-Thames (Greenlands) ..	Lord Hambleden ..	5	1	0	125	27.1	30.14	170	134
D Burnham (Waterworks) ..	Engineer ..	5	1	0	180	...	27.91	178	126
d Bourne End ..	B. C. Hammond, Esq. ..	5	1	0	96	...	29.29	...	...
D Hambleden (Hatchmans) ..	Mr. L. J. R. Coates ..	5	1	3	185	...	34.40	183	142
D High Wycombe (Pann Mill Pump Stn.)	S. Young, Esq. ..	8	1	0	219	...	33.62	189	135
D High Wycombe (Lane End Reservoir)	S. Young, Esq. ..	5	1	0	659	...	36.40	...	...
D Penn (Rayners) ..	Mr. R. Cole ..	5	1	10	547	29.4	35.14	188	138
D Radnage (Hillmeadows) ..	C. A. Atchley, Esq. ..	5	1	0	550	...	38.51	193	140
D Radnage (Yewden) ..	Rev. A. H. Cooper ..	5	1	6	400	...	37.44	197	154
D Hampden House ..	The Earl of Buckinghamshire	5	1	0	695	29.2	34.44	191	150
4.—THAMES. Colne. 133 sq. mi.									
D Slough (Ditton Park) ..	Admiralty ..	5	2	0	70	24.7	29.71	183	128
D Gerrards Cross (Mill Lane) ..	A. L. Carroll, Esq. ..	5	1	0	280	...	30.48	197	136
d Denham (Golf Club) ..	Secretary ..	5	1	6	210	26.4	28.48	...	...
D Gerrards Cross (Bulstrode Gardens) ..	Miss F. Hill ..	5	1	6	280	27.2	30.98	186	140
D Chalfont St. Peter (The Colony) ..	J. W. Edwards, Esq. ..	8	1	2	340	27.3	32.04	205	136

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BUCKINGHAMSHIRE—(contd.).									
4.—THAMES. Colne—(contd.)									
D Amersham (Waterworks)	L. F. Hobbs, Esq., C.E. ..	8	1	0	292	...	33·29	185	142
D Amersham (Chestnut Lane)	R. L. Alexander, Esq. ..	5	1	3	500	...	35·97	190	149
D Great Missenden (Pumping Station) ..	L. F. Hobbs, Esq., C.E. ..	5	1	0	372	29·4	33·12	195	144
M Chesham (Nashleigh Hill)	Mrs. Hayes	5	1	0	534	29·1	34·37	...	...
D Wendover (Pumping Station)	Bucks Water Board ..	8	1	0	486	30·8	34·89	203	143
D Chesham Vale (Hawridge Pumping Stn.)	Bucks Water Board ..	5	1	0	423	...	34·91	193	138
D Dagnall (Ivinglea)	E. L. Hawke, Esq., M.A. ..	5	1	0	550	...	35·69	216	149
5.—OUSE. 239 sq. mi.									
d Oving House	Head Gardener	5	1	0	515	26·4	(30·20)	(180)	(146)
d Twyford Vicarage	Rev. J. L. Payne	5	0	9	279	...	29·00	162	126
D Swanbourne House School	H. A. C. Evans, Esq. ..	5	1	0	410	26·3	29·34	163	127
D Bletchley (Sewage Works)	Bletchley U.D.C.	5	1	6	220	...	31·35	189	131
D Buckingham (Foxcote Pumping Stn.)	Bucks Water Board ..	5	1	0	305	...	29·34	190	133
D Wolverton (Eton Crescent)	R. H. Clark, Esq. ..	5	1	0	280	...	33·16	194	137
D Newport Pagnell (Wolverton Road) ..	J. Coales, Esq.	8	1	6	182	23·2	28·03	192	133
d Olney (Waterworks)	Water Engineer	5	1	0	175	...	27·09	...	...
D Olney (Colchester House)	R. E. Sowman, Esq. ..	5	0	9	170	...	28·40	180	120
D Turvey (Brayfield House)	Major M. E. Farrer ..	5	5	0	180	23·3	28·30	184	126
OXFORDSHIRE. (Area, 756 sq. mi.)									
1.—SEVERN. Upper Avon. 10 sq. mi.									
D Sibford Ferris (Grounds Farm)	B. W. Lamb, Esq.	5	3	0	570	27·3	29·41	201	137
D Sibford Gower Vicarage	Late Rev. W. M. Grogan ..	5	1	5	600	...	31·09	206	141
2.—THAMES. Windrush & c. 261 sq. mi.									
D Kelmscott	R. Hobbs, Esq.	5	1	0	230	24·8	28·68	159	121
D Milton-under-Wychwood (Castle Fm.)	H. B. Edginton, Esq. ..	5	1	0	550	...	32·55	202	140
d Charlbury (Cornbury Park)	Head Gardener	5	1	0	420	...	32·98	...	134
d Chadlington (The Manor)	Paul Handy, Esq.	5	1	0	400	...	28·88	...	...
D Glympton Rectory	Rev. C. H. Cox	5	1	0	310	...	31·44	202	135
D Chipping Norton (Heythrop College)	Meteorologist	8	1	0	600	28·0	30·49	210	136
D Chipping Norton (Bungalow)	R. L. Cox, Esq.	5	1	0	750	27·6	33·81	209	143
3.—THAMES. Cherwell. 250 sq. mi.									
D Littlemore (Sewage Farm)	City Engineer, Oxford ..	8	1	0	209	...	25·50	187	125
D Oxford (Hinksey Pumping Station) ..	H. H. Crawley, Esq., C.E. ..	8	1	0	187	24·0	26·25	189	123
D Oxford (Osney Lock)	Thames Conservancy ..	5	1	6	186	24·4	26·23	180	122
D Oxford (Richmond Road)	R. A. Bowen, Esq.	5	1	0	200	...	27·74	169	119
D Oxford (Norham Road)	Miss Josephine Fry ..	5	1	0	200	...	28·58	189	126
D OXFORD (Radcliffe Met. Station) ..	Professor of Geography ..	8	1	0	208	24·8	28·80	206	127
D Oxford (Jack Straw Lane)	F. P. Insley, Esq.	5	1	6	220	...	27·78	176	120
D Noke (Orchard Cottage)	Miss S. M. Fry	5	1	0	200	...	28·54	189	123
D Hampton Poyle (The Old Rectory) ..	Dr. G. D. Parkes	5	1	0	210	...	25·67	195	119
D Kidlington (Shipton Manor)	A. J. Wells, Esq.	5	1	0	243	...	27·18	191	127
d Woodstock (The Retreat)	A. Edward Hobbs, Esq. ..	5	1	0	313	...	(28·79)	(193)	(130)
d Middleton Park	A. C. J. Wall, Esq. ..	5	1	0	326	25·8	30·84	...	...
d West Adderbury (Cross Hill)	Lt.-Col. H. E. du C. Norris	5	1	0	338	25·4	30·84	...	132
D Adderbury	Miss E. F. Spencer ..	5	0	8	350	...	31·19	182	128
D Bloxham (Dursley)	F. S. Smith, Esq.	5	1	0	376	...	30·90	203	142
D North Newington (Orchard House) ..	H. J. Busby, Esq.	5	1	3	392	26·7	30·75	215	137
D Grimsbury (Pumping Station) .. (+A)	Banbury Water Dept. ..	5	1	3	299	...	27·50	191	126
4.—THAMES. Thame & c. 210 sq. mi.									
D Henley-on-Thames (Greys Lane)	L. Weston, Esq.	5	1	1	123	26·1	32·53	179	139
D Henley-on-Thames (Longlands)	J. E. Chalcraft, Esq. ..	5	0	5	150	...	32·44	203	141

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
OXFORDSHIRE—(contd.)									
4.—THAMES. Thame & c.—(contd.)									
D Stoke Row (Vicarage)	Rev. C. Isherwood	5	1	0	576	...	35.48	180	158
D Checkendon (Uxmore)	Major F. P. Landon	5	1	0	588	...	35.72	224	150
D Ipsden (Hailey)	A. F. Williams, Esq.	5	1	0	350	27.0	28.06	172	127
D Swyncombe House	C. W. Christie-Miller, Esq. ..	5	1	0	515	30.2	34.47	184	133
D Swyncombe (Cookley House) ..	J. S. C. Bridge, Esq.	5	1	0	720	30.7	38.52	184	150
D Benson Airfield	(+A) Meteorological Office ..	5	1	0	219	...	27.68	176	116
d Watlington (Britwell Salome) ..	R. Roadnight, Esq.	5	1	0	400	...	33.98	...	...
D Watlington (Cuxham)	Miss M. E. Edwards	5	0	10	200	...	30.08	176	138
D Clifton Hampden (Manor House) ..	The Hon. Mrs. G. Gibbs	5	1	0	190	23.7	25.37	163	120
D Watlington (Pyrton Manor)	Col. Ducat Hamersley	5	1	0	325	26.5	30.67	174	138
D Drayton St. Leonard (Guy's)	R. Jackson, Esq.	5	1	0	164	...	25.36	184	117
D Wheatfield	Lt.-Col. A. V. Spencer, D.S.O. ..	5	0	11	260	25.6	27.90	175	120
d Toot Baldon (Potlands)	H. J. Richens, Esq.	5	1	0	289	24.7	27.53	...	129
D Thame (The Blue Man)	H. Badger, Esq.	5	1	0	200	...	27.90	186	132
NORTHAMPTONSHIRE. (Area, 1,003 sq. mi.)									
1.—SEVERN. Upper Avon. 60 sq. mi.									
D Rugby (Braunston Rectory)	Rev. H. E. Ruddy	5	1	0	385	...	32.69	202	142
D Naseby Reservoir	British Waterways	5	2	0	519	25.2	34.33	236	162
d Naseby (Naseby Woolleys)	Col. R. L. Findlay	5	1	0	520	..	32.91	...	142
2.—THAMES. Cherwell. 77 sq. mi.									
3.—OUSE. 148 sq. mi.									
D Hazelborough Woods	Forestry Commission	8	1	0	441	...	32.46	164	140
D Towcester (Bradden House)	J. C. Grant-Ives, Esq.	5	1	0	420	26.5	33.19	193	140
D Towcester (Easton Neston)	The Rt. Hon. Lord Hesketh ..	8	1	0	325	26.6	33.71	179	135
4.—NENE. 622 sq. mi.									
D Litchborough Rectory	Rev. Leathley*	5	1	0	485	...	33.06	212	153
D Blisworth (Longmead)	Major F. R. Mason	5	1	0	370	...	29.95	190	133
d Blisworth (Grand Union Canal) ..	British Waterways	5	4	6	296	23.8	29.78	187	133
D Yardley Hastings (Forest Lodge) ..	Forestry Commission	8	1	3	370	24.9	30.47	183	140
d Bugbrooke Mill	Nene River Board	5	1	0	228	...	27.65	...	...
D Little Houghton (Bedford Road) ..	A. J. Old, Esq.	5	1	0	300	...	29.34	198	135
D Northampton (Hardingstone Gen. Stn.)	British Electricity Authority*	5	1	0	189	...	28.54	193	129
D Northampton (General Hospital) ..	Secretary Superintendent	5	1	3	258	23.5	29.12	180	117
d Northampton (St. Crispin Hospital) ..	Medical Superintendent	5	1	7	398	24.3	28.25	...	124
D ||Northampton (Stimpson Avenue) ..	Mid-Northants Water Board ..	8	1	0	329	...	27.95	175	124
D ||Northampton (Mercers Row)	C. W. Boddington, Esq.	5	12	0	250	23.6	29.85	225	149
D Duston (Southfield Road)	W. P. Walker, Esq.	5	1	0	342	25.4	30.28	211	139
D Wollaston (Pumping Station)	A. Millar, Esq., C.E.	5	1	9	140	...	27.30	190	126
D Wollaston	G. Harris, Esq.	5	1	0	250	23.0	28.87	180	131
d Althorp Park	Head Gardener	5	1	0	400	26.1	31.53	...	...
D Norton Junction	British Waterways	5	0	6	358	...	32.16	255	142
D Rushden (Cemetery)	A. Millar, Esq., C.E.	5	1	0	260	...	28.44	196	125
D Wellingborough (Nene Wharf)	Nene River Board	5	1	0	135	...	26.71	181	127
D Wellingborough (Swanspool)	R. Kilby, Esq.	5	1	0	187	24.3	29.07	185	138
D Wellingborough (Hatton Park Road) ..	L. G. Cottingham, Esq.	5	1	0	290	...	30.79	199	138
D Wellingborough (Bushfield W.W.) ..	Mid-Northants Water Board ..	8	0	11	286	23.3	30.49	181	132
D Wellingborough (Ironworks)	Wellingboro' Iron Co. Ltd. ..	5	0	7	184	...	25.16	177	129
D Ravensthorpe	Mid-Northants Water Board ..	5	0	11	320	25.5	30.25	181	131

* Per Nene River Board.

|| Site unorthodox.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
NORTHAMPTONSHIRE—(contd.)									
4.—NENE—(contd.)									
D Great Harrowden (The Hall) ..	L. J. Farnham, Esq.* ..	5	1	4	290	...	30.74	162	142
D Hollowell	Mid-Northants Water Board	5	1	0	400	...	32.40	211	148
D RAUNDS (Madison)	T. C. Smith, Esq.	5	1	0	193	23.0	29.03	195	131
D Orlingbury (Pumping Station)	Mid-Northants Water Board	5	1	0	286	...	29.81	175	132
d Lamport Hall	Sir Gyles Isham, Bart.* ..	5	1	0	480	26.9	29.82	...	142
D KETTERING (Piper's Hill Road)	S. K. Harris, Esq.	5	1	0	200	...	33.33	199	143
D Kettering W.W. (Cransley) ..	Mid-Northants Water Board	8	1	6	275	23.7	31.42	238	149
D Kettering (Sewage Works) ..	Borough Engineer	8	1	2	199	24.2	29.23	181	135
D Kettering W.W. (Thorpe Malsor)	Mid-Northants Water Board	5	1	0	345	24.8	30.38	194	128
D Kettering W.W. (Clover Hill) ..	Mid-Northants Water Board	5	1	0	344	24.2	28.49	198	129
D Thrapston (Drayton House) ..	Mr. C. V. Craske	5	1	6	220	24.7	30.33	222	139
d Thrapston (Islip Furnaces) ..	Messrs. Stewarts & Lloyds*	5	1	0	150	...	27.43	...	...
D Tichmarsh Rectory	Rev. Canon A. M. Luckock	5	1	0	170	23.9	31.45	203	150
D Rothwell (Shotwell Mill Waterworks)	Surveyor, U.D.C.	5	1	6	340	23.6	29.06	199	137
D Desborough (U.D.C. Waterworks)	Mid-Northants Water Board	5	0	9	457	24.7	30.08	209	139
d Oundle (Nene Wharf)	Nene River Board	5	1	0	65	...	28.36	...	...
D Corby	Messrs. Stewarts & Lloyds*	5	1	0	319	...	31.11	163	118
D Kings Cliff (Apethorpe)	J. W. Tomkins, Esq.* ..	5	1	0	127	...	30.42	163	131
D Peterborough (Woodston)	British Sugar Corp'n. Ltd. ..	5	1	0	37	22.3	26.88	172	136
D Peterborough (Westbourne House)	E. H. Colman, Esq.	5	1	0	35	21.6	26.23	185	131
D Peterborough (Sewage Pump. Stn.)(+A)	L. H. Robjohn, Esq., M.B.E.	8	0	10	9	...	26.43	169	133
d Peterborough (Dogsthorpe) ..	Welland River Board	5	0	11	45	...	27.89	...	...
D Wittering (Bone Mill)	E. Betts, Esq.	8	1	0	183	23.5	24.91	150	114
5.—WELLAND. 96 sq. mi.									
d Gretton (Hillside)	W. Leeson, Esq.	5	1	0	275	...	(32.13)	...	...
D Market Deeping (Etton)	L. H. Robjohn, Esq., M.B.E.	8	1	0	36	21.8	26.42	182	136
HUNTINGDONSHIRE. (Area, 366 sq. mi.)									
1.—OUSE. 327 sq. mi.									
D Great Gransden	Major E. W. R. Bolden ..	5	1	0	150	...	26.66	182	109
D St. Neots (Kings Road)	W. P. Bond-Smith, Esq. ..	5	1	0	50	21.9	26.41	189	125
D Hemingford Grey (Church Lane)	A. G. W. Briars, Esq. ..	5	1	0	25	...	28.37	192	149
D Hemingford Grey	F. W. Norris, Esq.	5	2	0	20	21.9	25.42	164	133
D St. Ives (Tenterleas)	Mr. H. E. Bell	5	1	0	25	22.6	26.45	169	129
D WYTON Airfield	Meteorological Office ..	5	1	0	141	...	30.00	178	129
d Abbot's Ripton Hall	L. F. Fillenham, Esq., C.E.	5	1	6	80	...	(29.88)	(180)	(136)
D Conington Castle Gardens ..	L. F. Fillenham, Esq., C.E.	5	1	0	25	...	29.26	167	143
D Ramsey (Biggin Lane)	W. T. Carter, Esq.	5	1	0	70	...	29.18	175	136
D Benwick (Four Hundred Farm)	L. F. Fillenham, Esq., C.E.	5	1	0	5	...	27.11	178	134
D Whittlesea Mere	L. F. Fillenham, Esq., C.E.	8	1	6	10	21.4	27.93	183	133
D Peterborough (Farcet)	G. E. D. Alcock, Esq. ..	5	1	0	60	...	27.17	186	122
2.—NENE. 39 sq. mi.									
BEDFORDSHIRE. (Area, 467 sq. mi.)									
1.—THAMES. Colne. 20 sq. mi.									
D Studham Hall	A. S. Butler, Esq.	5	1	0	636	...	34.53	191	148
D WHIPSNAD Park	Zoological Society	5	1	0	720	28.7	35.31	210	148

* Per Nene River Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BEDFORDSHIRE—(contd.)									
2.—THAMES. Lea. 32 sq. mi.									
D Luton (Pumping Station)	Borough Engineer	5	1	2	330	25·8	28·14	150	122
D Dunstable (Waterworks)	Eastern Gas Board	5	1	0	520	...	28·35	172	132
D Dunstable (Cemetery)	Borough Engineer	8	1	3	515	...	29·10	154	131
D Dunstable (Cement Works)	Works Manager	5	0	8	430	...	29·76	177	125
D LUTON (Wardown Park)	Borough Engineer	5	1	0	381	25·2	29·35	172	122
D Luton (Stopsley)	Lee Conservancy Catchm. Bd.	5	1	0	540	25·7	29·86	197	134
D DUNSTABLE	Meteorological Office	5	1	0	516	...	29·26	175	126
3.—OUSE. 408 sq. mi.									
D Leighton Buzzard (Heath Road) ..	Great Ouse River Board ..	5	1	0	250	...	29·77	223	145
D Battlesden (Pumping Station) ..	Bucks Water Board	8	1	0	358	...	29·52	176	121
D Meppershall (High Street)	Mrs. F. Rainbow	5	1	0	250	22·9	23·75	169	117
D WOBURN (Experimental Farm) ..	Lawes Agricultural Trust ..	8	1	0	291	23·9	28·05	199	135
d Stotfold (Three Counties Hospital) ..	Dr. McDiarmid	5	1	6	200	22·6	24·04	...	128
D Silsoe (The Red House)	H. I. Godfrey, Esq.	5	1	0	212	22·6	25·37	159	129
D SILSOE (Wrest Park) (+A)	Nat. Inst. of Agric. Eng. ..	5	1	0	195	...	25·16	174	130
d Arlesey (Sewage Works)	H. W. Pridmore, Esq.	5	1	0	141	22·5	25·11	165	127
D Stotfold (Sewage Works)	H. W. Pridmore, Esq.	5	1	0	130	22·3	22·60	168	121
D Ampthill (Lyme Road)	J. K. Horne, Esq.	5	1	0	300	...	27·07	188	130
Shefford (Clifton Close)	C. H. Inskip, Esq.	5	1	6	90	22·2	25·05	...	...
D Biggleswade (New Spring Pumping Stn.)	T. A. Staniforth, Esq. ..	5	1	6	175	21·6	23·66	161	116
D CRANFIELD Airfield (+A)	Meteorological Office	5	1	0	340	...	26·37	178	123
D CARDINGTON (+A)	Meteorological Office	5	1	0	75	...	24·30	169	117
Kempston	Mr. C. S. Payne	6	2	0	125	...	25·69	159	123
D Pottton (Sewage Works)	H. W. Pridmore, Esq.	5	1	0	111	22·2	25·77	199	135
D Sandy (Moggerhanger Park)	W. R. Pettifer, Esq.	5	1	0	152	23·1	26·64	156	129
D Sandy (Sewage Works)	Sandy U.D.C.	5	0	10	72	...	23·14	152	127
D Bedford (Castle Road)	Miss M. E. Newbery	5	4	0	100	22·3	25·07	178	119
d BEDFORD (Queens Park)	J. K. Rothwell, Esq.	5	1	0	92	...	(25·72)	(187)	(130)
D Bedford (Hurst Grove)	E. H. Lock, Esq.	5	1	0	90	...	25·36	156	129
D Bedford (Bedford Park) (+A)	Borough Engineer	8	1	3	117	...	25·64	183	128
D Goldington (Castle Mill House) ..	G. A. Rogers, Esq.	5	1	6	79	21·9	25·42	162	125
D Bedford (Renhold)	C. G. Barber, Esq., C.I.E. ..	5	1	0	168	...	26·45	215	140
d Pavenham	C. D. Linnell, Esq.	5	1	0	200	22·4	29·48	...	124
D Carlton (Stayesmore Manor) ..	Col. G. A. Battcock	5	1	0	168	...	28·99	182	120
D Souldrop	C. Gulliver, Esq.	5	1	0	300	...	(30·38)	...	...
4.—NENE. 7 sq. mi.									
CAMBRIDGESHIRE. (Area, 863 sq. mi.)									
1.—STOUR. 17 sq. mi.									
2.—OUSE. 741 sq. mi.									
D Ashwell (Odsey)	W. Herbert Fordham, Esq. ..	5	1	6	256	23·0	24·58	180	128
d Abington Pigotts Hall	M. G. de Courcy-Ireland, Esq.	5	1	0	98	21·8	23·63	...	111
D Melbourn (County School)	W. Ogden, Esq.	5	1	4	85	22·2	24·12	193	119
D Horseheath (Old Rectory)	O. Tabram, Esq.	5	1	0	320	...	29·57	202	131
D Hildersham (Old Mill House) ..	Lt.-Col. O. B. Foster, M.C. ..	5	1	6	108	22·5	24·81	181	138
D Great Shelford Vicarage	Rev. R. Gardner	5	1	0	50	...	24·16	187	122
D Fulbourn (Fleam Dyke)	Cambridge Waterworks Co. ..	5	1	0	99	23·0	23·26	183	125
D Fulbourn (Hospital)	Head Gardener	5	1	0	72	22·7	25·12	167	132
D Cambridge (Barrow Road)	N. T. Myers, Esq.	8	0	9	47	22·3	25·53	164	122
D Cambridge (33 Barrow Road) ..	Rev. H. C. Newbery	5	1	6	30	22·0	26·22	172	125
d Cambridge (Barton Road)	J. M. Wheeler, Esq.	5	0	8	35	...	24·97	197	127
d Cambridge (Corporation Store Yard)	Borough Engineer	5	1	8	52	21·2	28·86	...	...
D CAMBRIDGE (BOTANIC GARDENS) ..	Director	5	1	0	41	21·8	24·93	179	121

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
CAMBRIDGESHIRE—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
2.—OUSE—(contd.)									
D Cambridge (Corporation Pumping Stn.)	Borough Engineer	5	2	4	42	22.1	23.71	158	114
D Cambridge (Oxford Road)	J. Doggett, Esq.	5	1	0	62	...	25.14	186	122
D CAMBRIDGE (N.I.A.B.)	Director	5	1	0	85	...	25.01	196	120
d Dullingham (Stetchworth Park) ..	Mr. H. Fern	5	1	3	270	...	28.37	...	...
D Quy Hall	Lt.-Col. J. C. W. Francis ..	5	0	9	18	22.6	29.52	166	138
D Histon (Impington Village College) ..	E. R. Franklin, Esq. ..	5	1	0	30	...	24.98	168	131
D BOXWORTH	Farm Director	5	1	0	157	...	24.97	187	125
D Boxworth (Manor House)	Lt.-Col. E. B. Thornhill, M.C.	5	1	0	76	23.4	27.75	225	143
d Waterbeach (Bottisham Lock) ..	Great Ouse River Board ..	5	1	7	10	20.5	24.16	...	113
D Cottenham (Bernard House) ..	Miss K. Bull	5	1	6	30	22.1	26.58	200	127
D Fordham (London House)	W. V. Bloom, Esq.	5	1	0	30	21.4	23.83	155	123
D Bluntisham (Brownhill Staunch) ..	Great Ouse River Board ..	5	1	0	10	...	27.58	209	142
D Stretham (Engine House)	C. O. Clarke, Esq.	5	1	0	13	21.2	24.72	152	118
D Ely (Roswell Pits)	Great Ouse River Board ..	5	2	0	114	...	27.35	163	126
D Ely (Prickwillow)	Supt. Middle Fen Com'rs... ..	5	1	0	10	...	28.90	185	136
D Littleport (Highfield House) ..	Miss S. M. Martin	8	4	0	67	21.3	25.93	169	126
D Chatteris (The Vicarage)	Rev. J. C. Hawthorn	5	0	11	30	...	27.86	202	132
D Chatteris (Cemetery)	L. F. Fillenham, Esq., C.E.	5	1	0	25	...	26.96	161	127
D Chatteris (Puddock Bridge) ..	L. F. Fillenham, Esq., C.E.	5	1	0	5	...	25.85	177	125
D Whittlesey (Glassmoor Bungalow) ..	Whittlesey & Farcet Int. D. Bd.	5	1	0	1	...	27.97	174	132
D Whittlesey (Ashline Sluice) ..	L. F. Fillenham, Esq., C.E.	5	1	0	15	...	25.24	177	132
d March	L. F. Fillenham, Esq., C.E.	5	1	0	8	22.8	27.37	158	134
D Upwell (Marmont Priory Lock) ..	L. F. Fillenham, Esq., C.E.	5	1	0	10	20.6	25.61	185	127
3.—NENE. 105 sq. mi.									
D Stanground Sluice	L. F. Fillenham, Esq., C.E.	5	1	0	15	21.7	27.29	192	133
D Thorney Toll (Elm Tree Farm) ..	Mrs. Snushall	5	2	6	6	...	29.41	...	126
D Thorney (North House)	H. W. Burton, Esq.	5	1	0	4	...	25.51	186	126
d Thorney (Nuts Grove Farm) ..	T. R. Pick, Ltd.	5	0	5	12	...	27.87	...	130
D Parson Drove (Clough's Cross) ..	J. C. Purser, Esq.	8	1	0	6	22.1	27.43	206	136
d Wisbech (Tydd Manor)	Messrs. A. H. Carter & Sons	5	6	0	9	...	27.35	172	126

DIVISION IV—EASTERN COUNTIES

ESSEX. (Area, 1,532 sq. mi.)

1.—THAMES. Lea. 132 sq. mi.

D West Ham (Abbey Mills)	London County Council ..	8	0	8	15	22.3	25.31	147	110
D Leyton (Sewage Works)	(+A) Borough Engineer	5	0	9	22	23.0	24.74	166	120
D Lea Bridge (Waterworks)	Metropolitan Water Board	5	1	0	23	...	25.71	170	121
D Walthamstow (Ferry Lane)	Metropolitan Water Board	5	1	0	30	22.6	24.95	156	119
D Woodford (Haggar Lane)	Metropolitan Water Board	5	1	0	176	23.0	26.52	155	122
D §Buckhurst Hill Reservoir	Metropolitan Water Board	5	1	0	275	23.9	26.26	173	126
D Chingford (Beresford Road)	H. Hawkins, Esq.	5	0	10	150	...	25.83	180	131
D Chingford (Crescent Road)	Miss M. L. Mathieson ..	5	1	0	200	23.3	25.60	173	128
D Chingford Mill	Metropolitan Water Board	5	1	0	40	23.0	25.33	148	115
D Loughton (High Beech Reservoir) ..	Metropolitan Water Board	8	1	0	376	25.1	27.03	174	125
D Waltham Abbey (Rammey Marsh) ..	Metropolitan Water Board	5	1	4	60	23.4	25.11	159	117
D Waltham Abbey (Pumping Station) ..	Metropolitan Water Board	5	1	0	62	23.3	26.15	163	119
d Waltham Abbey (Gunpowder Factory)	Superintendent	5	2	0	64	...	26.56	...	...
D Spellbrook Lock	Lee Conservancy Catchm. Bd.	5	0	9	172	...	22.56	165	122
D Hatfield Broad Oak (Barrington) ..	A. H. Gosling, Esq.	5	1	0	300	24.3	24.50	177	132
D ||STANSTED Airport	Meteorological Office ..	5	1	0	330	...	21.69	172	105

|| Gauge over-exposed.

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.)									
1.—THAMES. Lea.—(contd.)									
D Stansted Nurseries	C. G. Hill-Smith, Esq. ..	5	1	0	275	...	25.59	182	129
D Stansted (Burton Bower)	Major E. Cawkell	5	1	0	335	...	24.30	185	124
D Clavering (Clavering Hall)	Messrs. Tinney & Hitchcock	5	0	9	300	...	24.71	179	133
2.—THAMES. Roding & c. 316 sq. mi.									
D Grays (Sewage Works)	Manager	8	1	8	9	20.3	22.21	160	114
d Tilbury (Beaconsfield Road)	C. S. H. Hawkes, Esq., C.E.	5	1	0	6	20.2	22.21	...	...
d Grays (Connaught Avenue Depot)	C. S. H. Hawkes, Esq., C.E.	5	1	6	80	...	21.73	...	...
D Rainham (Riverside Sewage Works) ..	Dagenham U.D.C.	8	1	6	5	19.3	23.00	195	114
d Rainham (Spring Farm Rec. Ground)	Hornchurch U.D.C.	5	1	0	24	...	22.67	...	120
d Orsett Hall	Col. Sir Francis Whitmore	8	1	2	70	...	23.98	...	...
D Barking	Engineer and Surveyor ..	5	1	0	5	...	23.81	161	117
D EAST HAM (Central Park)	Corporation	8	1	0	15	22.3	23.89	160	121
D East Ham Well	Metropolitan Water Board	5	1	0	17	21.6	22.83	153	117
D Canvey Island	Engineer & Surveyor ..	5	1	0	9	...	22.47	157	107
D Upminster (Little Gaynes Gardens) ..	A. D. May, Esq.	8	1	0	70	...	22.53	156	114
d Ilford (Loxford Park)	Engineer & Surveyor ..	5	1	0	30	...	24.57	...	110
d Ilford (Goodmayes Park)	Engineer & Surveyor ..	5	1	0	38	...	25.48	...	...
d Ilford (Valentines Park) (+A)	Engineer & Surveyor ..	5	1	0	43	...	23.25	...	...
d Ilford (Clayhall Park)	Engineer & Surveyor ..	5	1	0	109	...	26.34	...	...
D Ilford (Barkingside)	N. Twydell, Esq.	5	1	0	85	...	24.60	190	110
d Ilford (Hainault Recreation Ground)	Engineer & Surveyor ..	5	1	0	105	...	25.99	...	...
D SOUTHEND (The Cliffs)	Pier Master	8	1	0	90	20.8	20.15	167	108
D Southend (Waterworks)	Southend Waterworks Co.	8	1	0	123	21.1	20.73	175	108
D Vange (Pumping Station)	Southend Waterworks Co.	8	1	0	43	...	23.06	176	111
D Basildon (Dry Street Farm) (+A)	Basildon Development Corp.	8	2	0	180	...	23.20	167	112
d Manor Park (City of London Cem.)	Superintendent	5	0	6	50	22.4	20.31	...	...
D Horndon (Eastern Sewage Works) ..	Hornchurch U.D.C.	5	1	3	23	20.5	21.99	155	113
D Hornchurch	Hornchurch U.D.C.	8	1	0	44	21.0	23.65	160	116
D Wanstead (Red Bridge)	Metropolitan Water Board	5	1	0	25	22.8	23.74	155	114
d Romford (Raphael Park)	Engineer & Surveyor ..	5	1	0	109	...	24.61	153	109
D Harold Wood (Recreation Ground) ..	Hornchurch U.D.C.	5	1	0	93	...	24.69	151	106
d Havering-atte-Bower (Fernside) ..	E. W. Smith, Esq.	5	1	0	360	25.8	26.05	181	130
d Brentwood (Secondary Boys' School)	Geography Master	5	1	0	396	...	26.21	...	...
d Loughton (The Summit)	Mrs. Stoker	5	0	9	314	24.3	26.93	...	...
D Theydon Bois (Thriffs Hill)	I. Lloyd-Jones, Esq. ..	5	1	0	245	23.6	23.66	162	118
D North Weald (Canes)	Mrs. Hart	5	1	0	250	24.2	25.24	183	121
d Great Canfield	G. Eland, Esq.	5	1	0	270	...	23.87	...	117
3.—CROUCH. 186 sq. mi.									
D Southend (Southchurch Boulevard) ..	H. J. G. Ralph, Esq. ..	8	1	0	66	21.0	21.22	176	106
D SHOEBOURNNESS	Meteorological Office ..	5	1	0	11	...	22.55	154	101
d Southchurch (Barling Road)	C. E. Smith, Esq.	5	1	6	25	...	21.18	...	106
D Leigh (Brick House)	Miss I. Bentall	5	0	10	136	...	23.11	157	114
D Thundersley Reservoir	Southend Waterworks Co.	5	1	0	277	21.3	22.53	171	116
D Rayleigh (Alanbank)	Miss E. I. Chant	5	1	0	262	...	23.92	182	116
D Potton Island	A. H. Philpot & Sons, Ltd.	5	1	0	4	...	23.29	175	116
d Billericay (Service Tank)	Southend Waterworks Co.	5	1	0	310	23.6	26.56	...	...
d Burnham (Fisheries Laboratory) ..	Min. of Agric. & Fisheries	8	1	0	0	...	19.80	...	...
D Burnham (Wycke Farm)	J. W. Cottis, Esq.	5	1	0	0	...	21.70	162	122
d Southminster (The New Moor) ..	Miss M. A. Attenborough..	5	1	6	72	...	20.93	...	110
4.—BLACKWATER. 425 sq. mi.									
D Hutton (Greenway)	H. C. Mills, Esq., F.C.I.S.	5	1	6	325	...	28.02	165	135
D Hanningfield Reservoir	S. Essex Waterworks Co. ..	5	1	0	160	...	23.60	166	115
D Margaretting (Writtle Park)	A. H. Philpot & Sons, Ltd.	5	1	0	308	...	26.56	154	122

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.)									
4.—BLACKWATER—(contd.)									
D Chelmsford (Galleywood) ..	W. Lawrence Taylor, Esq. . .	8	1	0	200	...	25·77	182	129
D Chelmsford (Longstomps Reservoir) ..	Water Engineer ..	5	1	0	230	...	24·22	193	127
D Bradwell-on-Sea (Bellropes) ..	H. D. Chillingworth, Esq. . .	5	1	6	75	20·5	22·44	161	107
D WRITTLE ..	Essex Inst. of Agriculture ..	5	1	0	105	...	23·03	182	116
D §Maldon ..	Town Clerk ..	5	1	0	14	20·0	21·59	182	115
D Chelmsford (Sandford Mill W.W.) (+A)	Essex River Board ..	8	0	10	68	...	21·94	159	114
D Chelmsford (Melbourne Avenue) ..	E. S. Kelley, Esq. ..	5	1	0	125	...	22·23	158	112
D Hatfield Peverel (Rushes Lock) ..	Southend Waterworks Co. . .	8	1	3	40	...	23·31	185	123
D Langford (Treatment Plant) ..	Southend Waterworks Co. . .	8	1	2	40	21·8	23·43	156	118
D Hatfield Peverel (Butlers) ..	Mrs. J. Shaw ..	5	1	0	120	...	22·80	159	115
D Witham (Wickham Hall) ..	Bevington Smith, Esq., C.B.E. .	5	1	0	60	20·8	21·58	173	126
D Hatfield Peverel (Lower Farm) ..	H. J. Russel, Esq. ..	5	1	0	101	...	21·07	147	104
D Hatfield Peverel (Whitelands) ..	W. D. Goldsmith, Esq. . .	5	1	0	130	...	22·40	157	122
D Great Totham ..	C. Weston Eve, Esq. ..	5	1	0	190	...	23·57	173	115
D Little Waltham (Merefields) ..	J. H. Rosling, Esq. ..	5	1	0	140	...	22·87	150	120
D Wickham Bishops ..	Mrs. Fowler ..	5	1	4	250	21·4	22·40	...	...
D Witham (Faulkbourne Hall) ..	Mrs. C. W. Parker ..	5	1	0	100	21·9	23·52	155	119
D Little Leighs (Kelle) ..	W. C. Neild, Esq. ..	5	1	2	192	22·3	22·90	179	125
D Kelvedon (Harboro Hall) ..	A. Bevington Smith, Esq. . .	5	1	0	175	...	24·02	...	...
D Rivenhall (Park Gate Farm) ..	Joseph Smith (Farms) Ltd. . .	5	1	0	149	...	22·84	...	...
D Felsted School ..	F. M. Lee, Esq. ..	5	1	0	248	22·9	24·01	161	116
D Felsted (Sugar Factory) ..	British Sugar Corp. Ltd. . .	5	1	0	225	...	22·72	154	116
D Little Dunmow (Throws) ..	Hasler & Co. Ltd. ...	5	1	0	250	...	21·57	...	...
D Rayne (Staneway) ..	Mrs. Burt ..	5	1	0	247	23·0	22·72	160	115
D Braintree (Coggeshall Road) ..	A. F. Gunn, Esq. ..	5	1	0	222	...	23·94	153	111
D Bocking Church Street ..	W. Andrews, Esq. ..	5	1	0	207	...	22·84	158	116
D Shalford (Littles) ..	W. B. Hart, Esq. ..	5	1	5	262	22·8	24·47	176	121
D Great Bardfield (Great Lodge) ..	Joseph Smith (Farms) Ltd. . .	5	1	0	250	...	23·16	151	115
D Great Bardfield (South Lodge) ..	G. H. Brunwin, Esq. ..	5	1	0	250	23·2	24·49	159	123
5.—COLNE & C. 283 sq. mi.									
D §CLACTON-ON-SEA (Hospital Site) ..	Town Clerk ..	5	1	0	68	20·5	22·14	171	112
D Clacton-on-Sea (King's Road) ..	W. Tomlin, Esq. ..	5	1	0	45	...	21·74	165	119
D Great Clacton (Clay Hall) ..	Miss E. A. Smith ..	5	1	0	45	20·4	22·07	166	109
D Tiptree (Waterworks) ..	S. Essex Waterworks Co. . .	5	1	0	239	...	23·70	168	126
D Little Holland (The Sluice House) ..	Essex River Board ..	5	0	7	14	...	22·06	168	109
D Colchester (Laver de la Haye) ..	S. Essex Waterworks Co. . .	5	1	0	145	...	23·34	157	122
D §WALTON-ON-NAZE ..	Engineer & Surveyor ..	5	1	0	35	20·2	22·11	167	117
D Colchester (Hythe Gasworks) ..	Eastern Gas Board ..	8	1	0	6	22·0	21·94	157	107
D Colchester (Castle Park) ..	J. S. Orchard, Esq., C.E. . .	8	1	2	87	...	23·25	162	117
D Colchester (Waterworks) .. (+A)	J. S. Orchard, Esq., C.E. . .	8	1	0	38	...	23·36	171	116
D Earls Colne (Coggeshall Road) ..	C. T. Richardson, Esq. . .	5	1	0	220	...	24·45	...	...
D EARLS COLNE (Grammar School) ..	Headmaster ..	5	1	0	160	23·5	24·65	169	128
D Ardleigh (Chancery Farm) ..	Mrs. Lloyd ..	5	1	6	120	...	22·49	138	106
D Halstead (Attwoods) ..	Miss A. E. Vaizey ..	5	1	6	200	23·6	23·28	171	115
D HALSTEAD (The Brewery) ..	F. N. Adams, Esq. ..	5	1	0	140	23·0	25·47	181	122
D Great Yeldham Hall ..	G. A. Goodchild, Esq. ..	5	1	6	80	23·1	25·65	180	133
6.—STOUR. 110 sq. mi.									
D Mistley (The Maltings) ..	Brooks (Mistley), Ltd. ..	5	1	0	30	22·2	23·49	148	115
D Dedham ..	Essex River Board ..	5	1	0	115	...	25·58	191	132
D Nayland (Boxted Lodge) ..	Essex River Board ..	5	1	2	160	...	24·60	163	126
D Nayland (Boxted) ..	Carter & Blewitt, Ltd. . .	5	1	0	154	...	24·87	151	119

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.)									
6.—STOUR—(contd.)									
D Manningtree (Lawford Place)	.. B. X. Plastics, Ltd.	5	1	0	113	...	22·61	169	104
D Langham (Waterworks)	.. S. Essex Waterworks Co.	5	1	0	44	22·0	22·22	165	111
D Sudbury (Belchamp Hall)	.. Essex River Board	5	1	0	160	...	25·12	144	112
7.—OUSE. 80 sq. mi.									
D Quendon (Rickling)	.. Messrs. Tinney & Hitchcock	5	1	0	325	24·1	24·54	168	128
D Saffron Walden (Debden Road)	.. A. Marsh, Esq.	5	1	0	300	23·5	24·44	186	134
D Saffron Walden (Tech. School)†	.. W. Heyes, Esq., B.Sc.	5	1	0	235	23·2	25·02	169	119
SUFFOLK. (Area, 1,489 sq mi.)									
1.—STOUR. 271 sq. mi.									
D EAST BERGHOLT (Flatford Mill)	.. Field Centre Warden	5	1	0	14	...	23·85	176	110
d Bures (Colchester Road)	.. S.C.M. Malenoir-Vickers, Esq.	5	1	0	80	...	26·24	189	127
D East Bergholt (Ackworth House)	.. Capt. C. J. Church	8	1	0	145	...	25·28	162	113
D Little Cornard (Moss Cottage)	.. Essex River Board	5	1	0	145	...	23·03	163	116
d Sudbury (Edwardstone)	.. Essex River Board	5	1	0	185	...	25·05	170	128
D Sudbury (Waterworks)	.. Engineer & Surveyor	5	1	0	130	...	26·07	196	129
D Hadleigh (Penlands)	.. E. A. Lee, Esq.	5	1	0	185	24·4	26·69	185	127
D Haverhill (Waterworks)	.. Surveyor, Haverhill, U.D.C.	8	0	9	280	24·1	26·91	173	113
D Long Melford (Westgate House)	.. K. F. Colville, Esq.	5	1	0	141	23·5	25·81	175	121
d Long Melford (Stafford Works)	.. Essex River Board	5	3	0	103	...	23·30	...	...
d Clare (Little Wrattling)	.. Essex River Board	5	0	9	296	...	27·21	143	122
D Boxted Hall	.. Essex River Board	5	1	0	160	23·9	27·26	171	132
2.—ORWELL. 166 sq. mi.									
d Hartest (Chadacre Agricultural Inst.)	Principal	5	1	0	244	...	27·48	...	...
d Cockfield	.. Essex River Board	5	1	0	270	...	28·77	...	132
D IPSWICH (BELSTEAD Hall)	.. (+A) Richard Wilson, Esq.	8	1	0	123	...	24·93	195	122
d Ipswich (Upton Lodge)	.. E.S'folk and N'folk R. Bd.	5	1	0	70	...	24·03	...	...
d Ipswich (Museum)	.. Curator	8	1	0	72	23·5	22·89	...	...
D Elmsett (Laurel Cottage)	.. Miss C. E. Ladbrook	5	3	6	230	23·8	23·76	172	113
D Coddensham (Shrubland Park)	.. A. A. Geater, Esq.	5	1	3	168	...	30·30	186	134
D Coddensham (Cousins Hill)	.. Miss Tidswell	5	1	0	160	23·9	26·95	187	144
d Old Newton	.. A. E. Stearn, Esq.	5	0	9	204	...	26·67	...	...
3.—DEBEN & C. 466 sq. mi.									
D FELIXSTOWE	.. (+A) Meteorological Office	5	1	0	10	20·3	20·93	173	122
d Hollesley (Pumping Station)	.. E. S'folk and N'folk R. Bd.	5	1	0	11	...	22·22	149	108
D Ipswich (Daleacre)	.. C. Harrison-Jones, Esq.	5	1	2	140	...	24·23	202	117
D Martlesham (Beacon Hill)	.. The Earl of Albermarle	5	1	0	100	...	25·36	174	129
d Woodbridge (Little Bealings)	.. Capt. Guy Lempriere	5	0	9	50	22·6	22·13	...	...
D Woodbridge (Warren Hill Road)	.. Mrs. J. B. Martin	5	1	0	100	...	25·02	161	124
D Orford (Butley Abbey Farm)	.. Sir Peter Greenwell, Bart.	5	1	0	45	...	24·20	165	125
D Melton (Greylands)	.. A. H. P. Hope, Esq.	5	1	6	40	24·3	25·04	184	121
d Melton (St. Audry's Hospital)	.. Senior Admin. Officer	5	1	0	90	23·8	24·80	156	119
D Grundisburgh (Bridge House)	.. Mrs. Armstrong	5	1	1	50	...	24·66	163	122
D Orford (Sudbourne Park)	.. Sir Peter Greenwell, Bart.	5	3	9	50	...	26·51	151	124
D Aldeburgh (Haven Sluice)	.. E. S'folk and N'folk R. Bd.	5	1	0	5	...	27·08	173	121
D Charsfield (Red House)	.. Hugh P. Youngman, Esq.	5	1	9	150	24·1	26·17	...	...

† Moved $\frac{3}{4}$ mi. from Bridge End I.1.54.

|| Gauge over-sheltered.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUFFOLK—(contd.)									
3.—DEBEN & C—(contd.)									
D Blaxhall	.. R. H. Sherwood, Esq. ..	5	1	0	50	23·4	27·30	173	133
D §Aldeburgh (Iken Way) ..	.. G. E. Sunderland-Taylor, Esq. ..	5	1	0	10	...	25·63	181	123
d Framlingham (Sewage Works)	.. P. W. Cook, Esq. ...	5	1	0	90	...	27·06	...	...
D Leiston (Upper Abbey) ..	.. Miss M. K. Rope ..	5	1	0	40	...	25·57	170	121
D Wrentham (Covehithe) ..	.. D. Connell, Esq. ..	5	1	0	25	...	25·56	162	114
d Benacre (Pumping Station) ..	.. E. S'folk and N'folk R. Bd.	5	1	0	10	...	23·76	...	...
4.—YARE & C. 208 sq. mi.									
D LOWESTOFT (Secondary School)	.. Town Clerk ..	5	1	0	82	23·5	24·79	163	115
D Lowestoft (St. Margaret's Road)	.. Lowestoft Water Co. ..	8	1	0	72	...	24·09	...	...
D Corton Vicarage	.. Rev. C. A. B. Allen ..	5	1	0	51	...	26·31	185	124
D Herringfleet House	.. G. H. Wyllys, Esq. ..	5	1	0	55	25·2	29·64	194	137
D Lound (Pumping Station) ..	.. Lowestoft Water Co. ...	8	1	0	33	24·0	27·73	178	130
D Hopton (Hopton House) ..	.. Col. F. E. Walter, D.S.O. ..	5	1	2	100	...	28·23	158	125
d Fritton Warren	.. Late Miss V. M. Upcher ..	5	1	0	42	25·9	27·34	...	...
D Fritton Hall	.. Mr. F. Read ..	8	0	11	30	24·7	31·23	194	141
5.—OUSE. 378 sq. mi.									
D Bury St. Edmunds (Turret Close) ..	.. Rev. P. R. Frost ..	5	0	9	130	...	27·15	169	123
D Bury St. Edmunds (Corp. Depot)(+A)	.. Borough Engineer ..	5	3	9	181	...	27·37	173	131
D Newmarket (Sewage Outfall) ..	.. F. B. Waterfall, Esq. ..	5	1	0	81	23·2	27·28	155	128
d Moulton (Pumping Station) ..	.. Mildenhall R.D.C. ..	5	1	0	135	...	27·82	161	127
d Bury St. Edmunds (Westley Hall)	.. Head Gardener ..	5	1	0	226	25·1	28·00	...	125
D Bury St. Edmunds (Beet Sugar Factory)	.. British Sugar Corpn. Ltd. ..	5	0	6	160	...	27·11	176	123
d Pakenham (Church Hill) ..	.. E. Bryant, Esq. ..	5	0	9	155	...	23·67	177	121
D Bury St. Edmunds (Barton Lodge) ..	.. Mrs. S. Cox ..	5	1	0	200	...	26·78	165	132
D Hengrave Hall	.. Rev. Mother Superior ..	5	1	6	85	...	27·31	...	121
d Mildenhall (Worlington) ..	.. Lord Sandhurst ..	5	1	2	30	...	27·52	186	123
d Mildenhall (Eriswell Pumping Stn.) ..	.. Mildenhall R.D.C. ..	5	1	0	30	...	29·17	163	133
D MILDENHALL Airfield (+A)	.. Meteorological Office ..	8	1	0	15	21·4	26·23	173	130
D Isleham Lock	.. Great Ouse Catchment Bd. ..	5	5	2	10	...	24·33	173	130
D Elveden Hall	.. The Earl of Iveagh, C.B. ..	5	1	0	130	23·9	27·17	182	137
D Brandon (Waterworks)	.. Mildenhall R.D.C. ..	5	1	3	82	...	31·18	203	145
NORFOLK. (Area, 2,041 sq. mi.)									
1.—YARE. 658 sq. mi.									
D Diss (Roydon Hall)	.. R. S. Copeman, Esq. ..	5	1	0	140	...	26·63	178	130
D Diss (Bressingham Hall) ..	.. A. H. V. Bloom, Esq. ..	5	1	0	100	...	26·77	185	134
D Harleston (Starston)	.. A. L. Taylor, Esq. ..	5	0	10	120	...	26·11	192	130
D Ditchingham	.. I. G. Rutter, Esq. ..	5	1	0	25	23·9	25·45	163	123
d Beccles (Raveningham Hall) ..	.. Lt.-Col. Sir Edmund Bacon Bt. ..	5	1	6	60	24·6	25·57	141	112
D Hapton Parsonage	.. Late Lt.-Col. H. C. Copeman ..	5	1	0	120	...	24·47	161	111
D Wymondham (Browick Hall)	.. P. W. J. Fryer, Esq. ..	5	1	8	140	...	23·96	186	128
D Hardingham Hall	.. Col. B. M. Edwards* ..	5	0	8	100	...	31·62	...	...
D Hingham (Southburgh) ..	.. R. W. Keatley, Esq. ..	5	1	4	190	...	30·00	200	137
D GORLESTON (Coastguard Station)	.. Station Officer, for M.O. ..	5	1	0	5	24·5	27·96	177	119
D Norwich (Cringelford) ..	.. C. R. Edmondson, Esq. ..	5	1	0	75	...	29·47	188	137
D Norwich (City Cemetery) ..	.. L. Alan Jewell, Esq. ..	5	1	2	93	25·5	29·36	187	132
D Norwich (Marlingford Hall) ..	.. Mrs. A. Evans-Lombe ..	5	1	1	83	26·9	28·87	174	141

§ Turf wall round gauge.

* Per Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORFOLK—(contd.)									
1.—YARE—(contd.)									
Great Fransham	Sir Stephen Renshaw, Bart.	5	1	0	230	...	31.55	200	144
Sprowston (Oak Lodge)	A. Cozens-Hardy, Esq.* ..	5	1	0	100	25.2	29.12	...	...
D East Dereham (The Laboratory) ..	Leonard A. Pett, Esq. ..	5	1	1	200	...	28.68	158	112
D Taverham (Deighton Hills)	T. B. Norgate, Esq. ..	5	1	0	100	...	27.37	189	133
d Sparham Hall	Major D. J. W. Sayer ..	5	1	0	100	...	27.22	176	146
D Great Massingham	A. E. Jones, Esq. ..	5	1	0	250	...	33.88	199	145
D WEST RAYNHAM Airfield	(+A) Meteorological Office ..	5	1	0	250	...	31.08	190	137
d Cawston (New Street)	N. B. Howard, Esq. ..	5	0	8	152	26.6	28.54	...	...
D Colkirk Hall	J. T. Joice, Esq. ...	5	1	0	210	...	29.73	177	133
2.—YARE. Bure & c. 368 sq. mi.									
d BURLINGHAM (Horticultural Stn.) ..	Norfolk Education Com'tee	5	1	0	89	...	29.34	179	124
D SPROWSTON	Director, Norfolk Ag. Stn.	5	1	0	93	25.7	28.17	210	137
D Horsham St. Faith Airfield .. (+A)	Meteorological Office ..	5	1	0	99	...	28.95	195	127
D Great Ormesby (Grey House) ..	Lt.-Col. R. A. Nightingale	5	1	0	18	...	32.88	216	134
D Yarmouth (Ormesby St. Michael) ..	Great Yarmouth W.W. Co.	8	1	0	22	26.2	31.79	187	136
D Horning (Pumping Station)	Great Yarmouth W.W. Co.	8	1	0	9	...	28.51	174	123
D Wroxham (Hoveton House)	Mrs. I. C. Blofeld ..	5	1	4	100	...	31.97	181	133
d Wroxham (Hoveton Home Farm) ..	T. R. C. Blofeld, Esq. ..	5	0	9	32	...	29.32	...	...
d Haynford (Grove Cottage)	J. C. Harrison, Esq. ..	5	0	7	50	...	(31.55)	(159)	(130)
d Wroxham (Barton Hall)	Lady Delia Peel ..	5	0	8	25	...	30.60	152	117
Hickling (Old Rectory)	Cmdr. P. Barlow, R.N.* ..	5	1	0	10	...	29.26	...	...
D Aylsham (Woodgate House)	Lt.-Col. P. W. Purdy ..	5	1	0	100	...	28.64	189	140
D Worstead (Lyngate Cottage)	G. Cross, Esq. ..	8	1	6	50	26.5	32.57	202	124
D Aylsham (The Mount)	Dr. C. L. Maingay ..	5	1	0	90	...	29.30	199	139
D Aylsham (Wilderness)	Mrs. J. Peed ..	5	1	0	100	...	31.53	194	155
d Aylsham (Mill House)	R. L. Rust, Esq. ..	5	1	0	50	...	29.44	182	140
D Blickling Rectory	J. W. Montgomery, Esq. ..	5	1	2	90	...	(31.80)	(234)	(154)
d Erpingham (Wolterton Park)	Lord Walpole ..	5	1	0	115	...	31.57	176	137
D Holt (Brinton Grange)	Sir Charles Bristow, C.I.E.	5	0	7	140	...	28.65	202	132
3.—STIFFKEYS & C. 290 sq. mi.									
D Sandringham House Gardens	Mr. H. Parsons ..	5	1	6	121	26.4	32.80	191	145
D Fulmodestone School	E. H. Clements, Esq. ..	5	1	0	214	...	29.96	174	136
D Cromer (Northrepps Hall)	Lt.-Col. C. R. Gurney ..	5	1	0	200	26.7	30.00	188	143
D Cromer (Holt Road)	Dr. Maurice Mottram ..	5	1	0	175	...	32.12	176	144
D CROMER (Howards Hill)	Clerk to the U.D.C. ..	8	1	0	178	23.8	29.82	189	144
Cockthorpe (The Old House)	Rev. E. C. S. Upcher ..	5	1	5	120	...	(27.66)	165	130
D Burnham Market (School House) ..	A. E. Evans, Esq. ..	5	1	0	50	...	29.68	187	148
D Sheringham (Pine Grove)	T. E. Ormond, Esq. ..	5	1	0	70	...	30.60	200	149
D Wells (Outfall Sewage Works) ..	Surveyor ..	5	1	0	8	...	28.24	199	137
D Wiveton (Glaven Corner)	Canon B. E. Foyster ..	5	0	7	25	...	29.20	204	133
D HUNSTANTON	Clerk to the U.D.C. ..	5	1	1	105	...	26.48	175	136
D Holme-next-Sea (Holme House) ..	Mr. D. E. Plume ..	5	1	0	10	...	30.55	180	139
4.—OUSE & C. 709 sq. mi.									
D Thetford (Kilverstone Hall)	Baron Fisher of Kilverstone	8	1	0	70	21.7	34.28?	205	150
D Thetford (Waterworks)	C. A. Bunting, Esq. ..	8	1	0	165	23.8	27.75	181	123
D Denton Lodge (Pumping Station) ..	Wisbech & District Water Bd.	5	1	1	120	...	29.68	217	147
D THETFORD (Lynford Hall)	Forestry Commission ..	5	1	0	50	...	30.46	183	135
D Denver Sluice	Great Ouse River Board ..	5	1	7	10	...	29.94	167	142
D Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1	6	50	...	30.88	197	149

* Per Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORFOLK—(contd.)									
4.—OUSE & C.—(contd.)									
D Outwell (Well Creek Sluice) ..	L. F. Fillenham, Esq., C.E.	5	1	0	16	22·0	26·51	149	129
d Stow Bridge (Crabb's Abbey) ..	R. D. Carter, Esq.	5	3	0	8	...	26·86	...	...
D Swaffham (Saham Toney) ..	F. J. Faulkner, Esq.	5	1	0	127	...	32·17	198	138
D Swaffham (Brandon Road) ..	Mrs. L. E. Gull ..	5	1	0	175	...	31·61	188	142
D Shouldham Vicarage ..	Rev. W. F. Hicks ..	5	1	6	75	...	30·79	183	145
D MARHAM Airfield ..	(+A) Meteorological Office ..	5	1	0	76	...	28·58	175	133
D Marham (Pumping Station) ..	J. K. Dawson, Esq.	8	1	0	20	...	30·80	171	135
D Narborough Hall ..	F. H. Ash, Esq.	5	1	0	45	...	30·39	182	140
d Narborough (Narford Hall) ..	G. F. Attwood, Esq.	5	1	0	50	...	31·76	...	136
d Wiggshall (St. Germans Sluice) ..	L. F. Fillenham, Esq., C.E.	5	1	0	9	23·1	28·01	...	136
D King's Lynn (North Runcton Lodge)	Capt. W. N. Gurney ..	5	1	0	50	...	30·64	174	141
D TERRINGTON ST. CLEMENT (E. H. FARM)	Director ..	5	1	0	13	...	26·21	181	128
D Terrington St. Clement (Manor Farm)	C. W. Cave, Ltd. ..	5	1	0	13	...	28·26	167	123
D Gayton (Waterworks) ..	H. G. Ridler, Esq. ..	5	1	0	131	...	30·49	173	140
D Clenchwarton (The Beeches) ..	Samuel Brown, Esq. ..	5	1	3	10	...	29·87	181	140
D King's Lynn (Manure Works) ..	W. J. R. Baxter, Esq. ..	5	1	2	0	...	26·80	193	125
D King's Lynn (Freebridge) ..	Great Ouse River Board ..	5	2	0	15	...	28·24	172	147

DIVISION V—SOUTH-WESTERN COUNTIES

WILTSHIRE. (Area, 1,370 sq. mi.)

1.—LOWER AVON. 383 sq. mi.

D Upton Scudamore (Pumping Station)	Engineer & Manager ..	5	1	0	305	...	37·46	198	147
D Westbury (Penleigh House) ..	Lt.-Col. G. M. Atkinson ..	5	1	0	220	...	38·64	204	147
D Westbury (Wellhead) ..	Waterworks Engineer ..	5	1	0	321	...	37·22	200	147
D Westbury (Braemar) ..	Mrs. F. D. Richards ..	5	1	0	250	...	37·06	203	148
D Westbury (Secondary Mod. School) ..	B. A. S. Archibold, Esq. ..	5	1	3	225	...	36·81	184	144
D WEST LAVINGTON (Dauntsey's School)	Headmaster ..	5	0	11	305	...	34·76	201	143
D Little Cheverell House ..	Dr. T. W. Newton Dunn ..	5	1	0	300	...	35·81	184	154
d Bradford-on-Avon (Iford Manor) ..	Miss Serena Peto ..	5	1	1	101	...	38·44	193	147
d Bradford-on-Avon (Frome Road) ..	G. T. Meaden, Esq. ..	5	1	0	108	...	36·49	...	...
d Seend (Cleeve House) (R) ..	Head Gardener ..	8	1	6	200	27·5	34·18	218	158
D Holt (The Elms) ..	A. V. H. Beaven, Esq. ..	5	1	0	144	30·3	34·84	207	157
D Great Chalfield ..	Major R. F. Fuller ..	5	1	2	165	28·6	35·54	226	162
d Bowood House ..	Estate Agent ..	5	1	4	306	...	33·71	189	145
D LACOCK (LACKHAM House) ..	School of Agriculture ..	5	1	0	160	...	31·86	196	148
d Corsham (The Grove) ..	G. S. Beaty, Esq. ..	5	1	0	300	...	34·07	208	158
D Chippenham (Waterworks) ..	Borough Surveyor ..	5	1	2	144	...	32·21	194	149
D Compton Bassett (Manor Farm) ..	Mrs. N. Fielding Johnson ..	5	1	0	330	...	31·64	195	144
Chippenham (Kington Langley) ..	C. W. Garnett, Esq. ..	8	1	0	225	30·3	37·19	...	...
D LYNEHAM Airfield ..	(+A) Meteorological Office ..	5	0	11	455	...	31·42	196	140
D Chippenham (Littleton Drew) ..	J. D. Marriott, Esq. ..	5	1	0	418	...	36·85	185	149
D Tockenham Manor ..	Major G. J. Buxton ..	5	1	0	400	...	33·45	193	146
d Malmesbury (Norton Manor) ..	Major N. S. Wilson ..	8	1	0	326	...	37·99	...	129
D Malmesbury (Elm Leaze) ..	Miss E. Milnes-Walker ..	5	1	0	260	...	38·67	183	148

2.—STOUR. 33 sq. mi.

D Mere (Charnage) ..	W. G. B. White, Esq. ..	5	1	6	426	33·8	39·34	198	161
D Stourhead ..	H. P. R. Hoare, Esq. ..	5	1	2	583	38·1	45·30	213	171

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WILTSHIRE—(contd.)									
3.—EAST AVON. 554 sq. mi.									
D Broad Chalke	Dr. H. N. Burroughes ..	5	4	1	362	...	39.20	197	147
D Salisbury (Folkestone Road)	M. A. Chaplin, Esq. ..	5	1	0	200	...	35.38	186	135
D Tisbury (Gastons Close)	Sqn. Ldr. H. Thrower ..	5	1	0	390	...	36.07	197	147
D Fonthill House Gardens	Major J. G. Morrison, M.P.	5	1	0	400	37.8	43.67	207	171
D Salisbury (Sewage Works) .. (+A)	City Engineer	8	1	0	147	29.7	35.64	196	132
D Salisbury (Manor Road)	Miss L. C. D. Awdry ..	5	1	0	250	29.2	37.15	229	138
D Salisbury (Atherton House)	W. Fletcher, Esq.	5	1	0	250	30.4	34.02	192	124
D Wilton (Stone Lodge)	Major B. W. Parker ..	5	1	6	175	...	35.94	203	144
D Salisbury (Dinton)	Mrs. Bovill	5	1	2	300	...	34.02	202	145
D PORTON (C.D.E.E.) (+A)	Superintendent Met. Dept.	5	0	11	363	27.2	33.18	197	135
D Steeple Langford (Woodstock)	Miss A. J. Powell	5	1	0	257	...	34.21	183	146
d Wylve (Fisherton de la Mere)	Lt.-Col. F. N. Jeans ..	5	0	10	350	...	38.21	...	...
d Maiden Bradley House	The Duke of Somerset ..	5	1	0	620	38.4	45.11	...	158
D BOSCOMBE DOWN Airfield .. (+A)	Meteorological Office ..	8	1	0	417	25.8	30.85	184	126
d Warminster (Crockerton Pumping Stn.)	Warminster U.D.C. ..	5	0	9	460	...	42.40	...	142
D Warminster (Henford)	Cmdr. V. J. Robinson, R.N.	5	1	8	400	...	39.09	201	153
D LARKHILL (School of Artillery) (+A)	Meteorological Office ..	5	1	0	430	25.5	32.91	193	132
D Shrewton (Maddington)	Miss V. L. Windsor ..	5	0	9	285	...	33.85	191	141
D Everleigh Rectory	Rev. J. S. Macnutt ..	5	1	3	590	...	34.93	189	140
d UPAVON Airfield	Meteorological Office ..	5	1	0	450	...	32.67	204	140
D Woodborough (The Manor House) ..	Brigadier N. C. Lang ..	5	1	0	400	...	36.53	207	164
D Pewsey (Oare)	Miss F. M. Peall	5	1	6	500	...	33.92	217	154
D Bishops Cannings	R. J. Combes, Esq. ...	5	1	0	446	30.3	34.47	190	144
4.—TEST. 77 sq. mi.									
d Whiteparish (Sarum Quarry)	Agric. Contractors, Ltd. ..	5	1	0	345	...	35.82	...	137
D Ludgershall (Conholt Park)	Miss H. M. Gaskell ..	8	1	0	760	33.9	39.73	207	153
5.—THAMES. Kennet. 169 sq. mi.									
D Bishops Cannings (Shepherds Shore)	Devizes Gas & Water Dept.	8	2	0	564	...	37.34	211	155
D MARLBOROUGH College	Headmaster	5	1	1	424	31.1	35.55	199	136
D Aldbourne (Manor House)	W. Brown, Esq.	5	1	0	435	31.1	37.50	234	146
6.—THAMES. Colne and c. 154 sq. mi.									
D Wroughton (Swindon Waterworks) ..	J. Ackroyd, Esq., B.Sc., C.E.	5	1	3	448	...	35.07	185	136
D Wroughton (Priors Hill)	K. Browning, Esq. ..	5	1	0	510	...	37.79	197	140
D Chiseldon (Hodson House)	A. Deadman, Esq.	5	0	9	560	29.0	32.86	197	140
D Swindon (Town Gardens)	J. Ackroyd, Esq., B.Sc., C.E.	5	1	1	476	27.5	33.56	201	138
DORSET. (Area, 938 sq. mi.)									
1.—PARRETT. 61 sq. mi.									
D Evershot (Melbury House)	Mr. W. G. Lee	5	2	0	460	38.7	49.95	213	173
D Crewkerne (Chedington)	F. A. Highmore, Esq. ..	5	1	0	605	...	44.95	206	151
d Ryne Intrinsic (The Court House) ..	Mrs. B. Thorp	5	1	0	232	...	36.77	189	134
D Sherborne (Sewage Disposal Works)	C. E. Bean, Esq.	8	1	0	164	...	34.27	199	135
d Sherborne (Leafield Cottage)	A. S. Arnold, Esq.	5	1	2	212	...	37.75	...	159
D Sherborne (Barton Gardens)	C. E. Bean, Esq.	8	1	0	285	...	34.80	204	146
D Sherborne (Waterworks)	C. E. Bean, Esq.	5	1	0	200	...	33.99	189	137
2.—AXE. 25 sq. mi.									
D Forde Abbey	G. D. Roper, Esq.	5	0	10	200	37.7	41.59	197	138

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DORSET—(contd.)									
3.—FROME & C. 501 sq. mi.									
D PORTLAND BILL Lighthouse ..	(+A) Lightkeeper, for M.O. ..	8	1	0	32	25.2	28.82	173	111
d Portland (Secondary Mod. School) ..	Headmaster	5	0	9	300	...	31.24	...	...
D WEYMOUTH (Westham) ..	Town Clerk	5	1	0	16	28.0	32.32	175	121
D Swanage (Panorama) ..	E. Horncastle, Esq. ..	5	1	0	120	...	32.28	164	127
D SWANAGE ..	Clerk to the U.D.C. ..	5	1	0	14	...	33.27	163	122
D Chickerell (Lower Putton) ..	A. H. White, Esq. ..	5	1	0	45	...	33.69	171	121
D Creech Grange ..	J. W. G. Bond, Esq., C.B. ..	5	1	0	228	37.1	40.65	214	139
D Abbotsbury (West Street) ..	J. C. P. White, Esq. ..	5	1	6	147	29.2	36.69	174	143
D Upwey (Friar Waddon) ..	Engineer and Surveyor ..	5	1	0	215	...	41.54	199	142
D Upwey (Higher Well) ..	Engineer and Surveyor ..	8	1	0	289	...	39.57	203	147
D Warmwell ..	Weymouth W.W. Co. ..	5	1	0	134	...	40.72	195	140
D Wareham (East Holme) ..	Miss L. S. Bond ..	5	1	0	23	33.9	39.54	186	138
D Wareham (Trigon) ..	Mrs. L. Sturdy ..	8	1	4	60	32.1	36.13	196	130
D Burton Bradstock (White House) ..	Major J. M. Wratislaw ..	5	1	0	40	...	35.23	181	150
D Dorchester (South Court Avenue) ..	E. A. Sparks, Esq. ..	5	1	0	220	...	46.10	206	152
D Dorchester (Queen's Avenue) ..	Miss M. H. G. Bond ..	5	1	2	240	...	41.50	200	150
D Dorchester (Waterworks) ..	Borough Engineer ..	8	1	0	312	36.6	46.33	199	156
D Dorchester ..	J. Wyndham Hull, Esq. ..	5	1	0	207	37.4	43.98	186	143
D Dorchester (Birkin House) ..	Mrs. Weber ..	5	1	0	230	37.4	43.93	193	151
D Dorchester (Little Cheam) ..	H. F. Middleton, Esq. ..	5	1	0	250	...	42.98	206	149
D POOLE ..	(+A) Borough Council ..	5	1	0	18	...	36.11	197	134
d Poole (Pitwines Gasworks) ..	Southern Gas Board ..	5	1	3	6	...	35.35	175	130
d Poole (Henry Harbin School) ..	T. Johnson, Esq., B.Sc. ..	5	1	0	20	...	35.28	...	...
D Parkstone (Balmoral Road) ..	Miss M. M. Hall ..	5	1	0	75	...	39.57	215	139
D Branksome (Bourne Valley) ..	Southern Gas Board ..	8	1	2	50	30.0	38.51	176	134
D Bournemouth (Alderney Reservoir) ..	Bournemouth Water Co. ..	8	0	9	228	...	38.89	184	143
D Lyme Regis (Penard) ..	Mrs. M. E. Peat ..	5	1	0	83	33.2	37.23	192	142
d Charmouth (The Moorings) ..	Miss A. M. Irwin ..	5	1	0	100	...	37.51	180	142
D Bridport (Allington Park) ..	A. W. S. Wilkins, Esq. ..	5	1	0	50	...	41.93	202	151
D Bridport (Island View) ..	Bridport Waterworks Co. ..	5	1	0	50	32.9	37.44	167	146
D Charmouth (Fishpond) ..	Dr. John L. Haughton ..	5	0	9	730	...	35.13	199	150
d Bloxworth Heath (Research Nursery) ..	Forestry Commission ..	5	1	0	80	...	37.70	210	138
D Bere Regis (Doddings) ..	Bedford & Jesty, Ltd. ..	5	1	0	280	...	36.89	202	135
D Puddletown Vicarage ..	Rev. Canon A. L. Helps ..	5	4	0	200	35.8	45.64	206	154
D Lytchett Matravers (Kit Robins) ..	H. Blanchard, Esq. ..	5	1	0	300	...	38.19	189	135
D Wynford House ..	Mrs. Aldridge ..	5	1	0	410	43.5	48.79	213	164
D Beaminster (East Street) ..	W. A. Stiby, Esq. ..	5	1	0	183	37.6	43.84	202	154
D Minterne ..	Col. The Lord Digby, D.S.O. ..	5	1	0	800	...	43.80	221	168
4.—STOUR. 384 sq. mi.									
d Lytchett Matravers School ..	Headmaster	5	1	6	300	...	38.57	...	...
D Broadstone (Grange Road) ..	R. Nimmo, Esq. ..	5	1	0	160	...	41.13	196	149
d Corfe Mullen (The Plantation) ..	A. J. Russell, Esq. ..	8	1	0	300	...	41.24	213	149
D Wimborne (Corfe Mullen W.W.) ..	Waterworks Engineer ..	5	1	0	81	32.9	35.76	185	129
D Wimborne (Staplehill) ..	C. J. Marchant, Esq. ..	5	1	0	95	...	37.86	194	136
D Wimborne (Ferndown) ..	H. Galton, Esq. ..	5	1	4	75	...	37.63	194	139
D Wimborne (Walsford Bridge Pump Stn.) ..	Bournemouth Water Co. ..	8	0	9	70	...	36.73	191	133
d Colehill (Joldwynds) ..	Rev. Sir Paget Bowman, Bt. ..	5	0	9	400	...	38.31	...	139
D Blandford (East Street) ..	R. Biddulph, Esq.* ..	5	0	10	105	...	37.21	...	...
D Blandford (King's Road) ..	D. Blanchard, Esq. ..	5	1	0	195	...	36.76	197	139
D Blandford (Bryanston) ..	Miss A. M. Jaques ..	5	1	0	185	...	42.39	191	147
d Glanvilles Wootton (Manor House) ..	H. B. Debenham, Esq. ..	5	0	9	250	35.2	39.41	180	142
D Holwell (Little Westrow) ..	Miss H. A. Warry ..	5	1	0	252	34.4	37.70	215	146
D Sturminster Newton (Stock Gaylard) ..	Miss Blake ..	5	1	0	350	...	36.31	201	150
D Childe-Okeford Manor ..	J. H. L. Glasbrook, Esq. ..	5	1	0	250	...	40.79	196	153

* Per Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
DORSET—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—STOUR—(contd.)									
d Ashmore (Old Rectory)	R. G. Jebb, Esq.	9	1	3	700	...	39.13	...	...
D Stalbridge (Grove Cottage)	F. B. Harris, Esq.	5	1	0	320	...	38.04	215	160
d Shaftesbury (St. Margaret's Marsh)	G. W. Payne, Esq.	5	2	2	184	...	31.12	176	134
Woodyates (Cobley)	Mrs. A. S. Eastwood	5	1	0	500	...	39.02	...	...
d Stour Provost (Diamond Farm)	G. C. Trechmann, Esq.	5	1	0	260	...	33.80	190	148
D Fifehead Magdalen	Col. R. C. S. Hodgson*	5	0	6	300	...	33.93	192	146
D SHAFTESBURY (Modern School)	Headmaster, for M.O.	5	1	0	680	...	36.98	210	157
D Gillingham (Buckhorn Weston)	A. Cox, Esq.	5	1	0	220	...	35.55	192	156
D Gillingham (Malt House)	Col. The Lord Basing	5	1	6	275	...	34.99	201	148
5.—EAST AVON. 12 sq. mi.									
SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)									
1.—PARRETT. 7 sq. mi.									
2.—TAMAR & C. 395 sq. mi.									
D PLYMOUTH (MOUNT BATTEN)	(+A) Meteorological Office	5	1	0	87	37.0	41.88	202	145
D PLYMOUTH (THE HOE)	Medical Officer of Health	8	1	0	117	36.7	41.59	214	156
D Plymouth (Drake's Reservoir)	N. G. Elliot, Esq., C.E.	5	1	0	149	37.5	42.93	205	155
d Plymouth (Freedom Fields)	Medical Officer of Health	5	1	0	208	39.4	43.61	216	164
D Plymouth (Hartley Reservoir)	N. G. Elliot, Esq., C.E.	5	1	0	321	39.9	48.10	212	171
d Plympton (Little Woodford)	W. P. Cundy, Esq.	5	1	0	80	...	51.67	215	173
D Bickleigh (Roborough Reservoir)	N. G. Elliot, Esq., C.E.	5	1	0	548	46.2	60.72	231	180
D Lee Moor House	R. Martin, Esq.	8	1	0	900	62.4	75.47	225	203
d Roborough (Maristow Gardens)	W. H. Tottey, Esq.	5	1	0	50	...	65.15	...	...
D Sheepstor (Redstone)	N. G. Elliot, Esq., C.E.	5	1	0	760	59.0	73.36	239	205
D Sheepstor (Burrator)	N. G. Elliot, Esq., C.E.	5	1	0	755	59.1	72.04	238	198
D Sheepstor (Head Weir)	N. G. Elliot, Esq., C.E.	5	1	0	730	57.0	73.95	239	202
D Dousland Reservoir	N. G. Elliot, Esq., C.E.	5	1	0	714	51.8	66.51	220	184
M Dartmoor (Deancombe Farm)	N. G. Elliot, Esq., C.E.	5	1	0	807	...	80.28	...	...
D Yelverton (Yarrow-Dousland)	R. R. Brown, Esq.	5	0	8	700	...	66.64	241	187
D Dartmoor (Lowery)	N. G. Elliot, Esq., C.E.	5	1	0	899	...	75.17	240	204
M Dartmoor (Leather Tor Farm)	N. G. Elliot, Esq., C.E.	5	1	0	910	59.0	77.31	...	...
M Dartmoor (Siward's Cross)	N. G. Elliot, Esq., C.E.	5	1	0	1074	69.7	92.92	...	...
d Horrabridge (Dostabrook)	Mrs. M. F. Corbin	5	0	9	290	...	63.00	218	185
D Whitchurch (Grenofen)	H. Chichester, Esq.	5	1	2	325	46.1	61.14	240	188
D TAVISTOCK	T. H. Harris, Esq.	5	1	0	457	47.6	58.11	225	180
M Dartmoor (Double Waters)	N. G. Elliot, Esq., C.E.	5	1	0	1165	64.2	83.20	...	...
D Dartmoor (North Hessay Tor)	N. G. Elliot, Esq., C.E.	5	1	0	1398	...	79.58	246	216
d North Brentor (Langstone)	T. M. Lashbrook, Esq.	5	1	0	800	...	57.68	...	194
D Coryton Manor	T. Newman, Esq.	5	1	2	450	43.5	60.88	232	200
D Werrington Park	E. Stoneman, Esq.	5	1	0	600	...	49.93	227	188
Sourton (Prewley Treatment Works)	K. J. Young, Esq.	5	1	0	1057	...	66.94	238	203
D Ashwater Rectory	Rev. R. J. D. Newhouse	5	1	0	480	42.6	53.83	240	184
D Holsworthy (Pyworthy Rectory)	Rev. E. P. James	5	0	10	400	...	49.26	243	189
D Holsworthy (Bodmeryic)	Miss A. D. Rogers	5	1	0	476	42.3	54.94	232	195
3.—ERM & C. 217 sq. mi.									
d Stoke Fleming (Windward)	Miss E. L. Garrett	5	1	0	380	...	(40.33)	...	(152)
D Yealmpton (Torr)	Miss M. Wimbush	5	1	9	100	35.5	45.76	215	164
D Yealmpton (Cross Park House)	Rev. Canon J. V. Yonge	5	1	3	160	...	47.78	227	175

* Per Avon & Dorset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SOUTH DEVONSHIRE—(contd.)									
3.—ERM & C.—(contd.)									
d Loddiswell (Hazelwood House) ..	Captain W. G. Peek ..	5	1	0	280	...	57.61	175	168
d Wrangaton (Moorhaven Hospital) ..	Medical Superintendent ..	5	1	0	650	54.2	70.61	230	190
d South Brent (Badworthy) ..	Miss D. B. Latham ..	5	1	0	550	64.4	82.30	209	184
d South Brent (Didworthy Sanatorium)	Medical Superintendent ..	5	1	0	675	...	82.34	225	192
d South Brent (Bala Brook) ..	Engineer, S.Devon Water Bd.	5	0	10	760	...	96.25	243	202
4.—DART. 197 sq. mi.									
d Dartmouth (Dean's Lodge) ..	P. F. Summers, Esq. ..	5	1	0	80	...	42.07	219	157
d Dartmouth ..	Borough Engineer & Surveyor ..	5	0	7	9	...	43.65	228	156
d Brixham ..	Torbay Paint Co., Ltd. ..	5	1	0	164	...	38.48	184	139
d Brixham (Galmpton) ..	Mrs. E. M. Tivy ..	5	1	0	290	...	41.89	190	142
d PAIGNTON (Victoria Park) ..	Town Clerk ..	8	1	0	12	...	37.23	189	147
d Totnes (Bridgetown) ..	W. J. Toope, Esq. ..	5	1	3	45	41.8	48.00	195	153
d TOTNES (Dartington Hall) ..	Dartington Hall Trust ..	5	1	0	100	...	50.01	197	162
d Broadhempston (Sneydhurst) ..	H. S. Burberry, Esq. ..	5	1	6	200	...	41.93	213	140
d Ashburton (West Street) ..	W. T. Hannaford, Esq. ..	5	1	0	236	51.7	54.96	211	157
d Ashburton (Hele House) ..	Rev. M. H. Needham ..	5	0	7	350	...	51.40	209	172
d Ashburton (Place) ..	Mrs. E. Heron Varwell ..	5	0	8	400	...	51.84	203	157
d Dartmoor (Fox Tor) ..	Water Eng'r. Paignton U.D.C. ..	5	1	7	1160	...	83.27	249	204
d Dartmoor (Strane Valley) ..	Water Eng'r. Paignton U.D.C. ..	5	1	7	1180	...	84.06	247	216
d Dartmoor (Swincombe) ..	Water Eng'r. Paignton U.D.C. ..	5	1	7	1047	...	80.41	247	205
d Ashburton (Leusden Vicarage) ..	Rev. J. W. Fox ..	8	1	0	870	...	56.51	187	164
d PRINCETOWN (H.M. Prison) .. (+ A)	Governor, for M.O. ..	5	1	0	1359	81.9	98.94	246	218
M Princetown (Blackabrook Intake) ..	N. G. Elliot, Esq., C.E. ..	5	1	0	1293	...	89.50	...	...
w Dartmoor (Cowsic Valley) ..	N. G. Elliot, Esq., C.E. ..	5	1	0	1323	76.7	93.54	...	...
M Dartmoor (Beardown Hill) ..	N. G. Elliot, Esq., C.E. ..	5	1	0	1560	...	104.95	...	...
5.—TEIGN. 209 sq. mi.									
d Torquay (Higher Lincombe Road) ..	G. N. Carleton-Stiff, Esq. ..	5	1	0	260	...	32.49	184	122
d TORQUAY (Abbey Park) ..	Borough Council ..	5	1	0	27	33.0	33.28	170	128
d Torquay (Lydwel Court) ..	J. M. Hepburn, Esq. ..	5	0	10	410	...	35.50	203	128
d NEWTON ABBOT (Seale-Hayne College)	Principal ..	5	1	0	272	34.7	43.37	194	141
d TEIGNMOUTH (Den Gardens) ..	G. F. Rossiter, Esq., B.Sc. ..	8	1	0	20	31.8	32.53	184	124
d Teignmouth (Hazeldown Reservoir) ..	Engineer & Surveyor ..	8	1	0	425	32.4	38.09	194	145
d Teignmouth (Shaldon Reservoir) ..	Engineer & Surveyor ..	5	1	0	213	34.9	37.74	184	133
d Teignmouth (Landscore Reservoir) ..	Engineer & Surveyor ..	8	1	0	136	33.2	34.59	191	132
d Kingsteignton (Firleigh Road) ..	M. B. B. Heath, Esq. ..	5	1	0	130	...	39.05	191	135
d Dawlish (Holcombe) ..	C. E. Butler, Esq. ..	5	0	11	200	...	38.90	211	148
d Dawlish (Luscombe Castle) ..	Sir Peter Hoare, Bt. ..	8	1	2	175	35.9	41.73	232	153
d ||Dawlish (Beach House) ..	H. S. Marshall, Esq., O.B.E. ..	5	1	0	80	...	34.50	182	137
d Bovey Tracey (Yarner Wood) ..	Nature Conservancy ..	5	1	0	420	...	54.59	...	...
d Chudleigh (Scotleigh) ..	J. P. Hepburn, Esq. ..	5	1	3	280	...	37.04	190	133
d Hennock (Hazelwood) ..	R. P. Kitson, Esq. ..	5	1	0	650	...	42.48	203	146
d Lustleigh (Tottiford) ..	Water Engineer, Torquay ..	8	1	0	790	...	46.24	295	167
M Chagford (Hurstons Ridge) ..	Water Engineer, Torquay ..	5	1	0	1350	69.5	87.48	...	...
M Chagford (White Ridge) ..	Water Engineer, Torquay ..	5	1	6	1650	72.2	85.77	...	...
d Chagford (Metherall) ..	Water Engineer, Torquay ..	8	1	0	1150	59.3	75.97	297	205
M Chagford (Thornworthy Down) ..	Water Engineer, Torquay ..	5	1	6	1250	...	84.21	...	...
M Christow (Smithacott) ..	Water Engineer, Torquay ..	8	1	0	861	42.7	41.93	...	...
M Christow (Laployd) ..	Water Engineer, Torquay ..	5	1	6	1041	42.3	47.75	...	...
d Chagford (Thornworthy) ..	Miss W. H. Varwell ..	5	1	0	1150	64.2	76.26	236	196

|| Gauge over-sheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1954			
				Diam.	Height of		in.		in.	Days with ·01 in. or more	Days with ·04 in. or more	
				in.	ft.	in.		ft.				in.	in.
SOUTH DEVONSHIRE—(contd.)				in.	ft.	in.	ft.	in.	in.			
5.—TEIGN—(contd.)												
D	Chagford (Teignworthy)	..	..	E. A. Courthope, Esq.	5	1	0	1000	...	58·28	239	194
D	Chagford (Yellam Cottage)	..	..	Cmdr. E. D. Marston, R.N.	5	0	10	680	46·1	52·53	230	180
D	Drewsteignton (Newton Barton)	..	..	C. A. St. George Moore, Esq.	5	1	0	700	...	38·09	205	156
6.—EXE. 445 sq. mi.												
D	EXMOUTH (Salterton Road)	..	(+A)	Engineer, U.D.C.	5	1	0	195	28·6	33·08	183	128
D	Exmouth (Filters, Capel Lane)	..	..	Engineer, U.D.C.	5	1	0	240	30·3	31·15	182	132
D	STARCROSS	..	..	Min. of Agric. & Fisheries	5	1	0	29	...	34·56	176	125
D	Kenton (The Vicarage)	..	..	Rev. K. E. Alexander	5	1	0	100	...	34·18	182	123
d	Exton (Wildrose)	..	..	F. H. Stuart, Esq.	5	1	0	20	...	32·64	...	...
d	Woodbury (Oakhayes)	..	..	E. S. Chattock, Esq.	5	1	0	200	...	34·67	175	132
D	Shillingford Rectory	..	..	Rev. C. L. O'Ferrall	5	1	8	200	...	35·29	199	132
D	Exminster (Trood House)	..	..	Lt.-Col. T. L. Ormiston	5	1	11	75	32·9	35·81	174	132
D	Exeter (Hatfield, Longdown)	..	..	C. Holman, Esq.	5	1	8	450	33·8	35·36	183	135
D	Exeter (Heavitree)	..	..	W. N. Lavis, Esq.	5	1	0	112	...	31·57	196	121
d	Exeter (Devon and Exeter Institute)	..	..	Librarian	5	13	7	155	...	30·36	...	120
D	EXETER Airport	..	(+A)	Meteorological Office	5	1	0	106	...	33·39	181	126
d	Rockbeare Manor	..	..	Mrs. D. Griffith-Williams	5	0	10	180	30·7	32·86	159	127
	Crediton (Haywards School)	..	..	C. Luxton, Esq.	5	1	0	190	33·3	34·96	...	...
D	Crediton (Okefield)	..	..	Seymour F. Pope, Esq.	5	1	0	325	32·2	34·30	223	160
d	Crediton (Shobrooke House)	..	..	Lady Shelley	5	1	0	360	...	32·42	221	154
D	Coplestone (Coplestone House)	..	..	Cmdr. W. Pope, R.N., D.S.O.	5	0	10	325	34·4	38·20	228	179
D	||Silverton (Parsonage Lane)	..	..	A. G. Smale, Esq.	5	4	6	300	...	39·66	197	171
D	Bradninch (Bowley Close)	..	..	Miss H. R. Hepburn	8	1	0	300	34·0	40·28	207	160
D	Kentisbeare	..	..	A. E. Painter, Esq.	5	1	0	304	37·1	36·79	202	153
D	Hemyock (Mountshayne)	..	..	B. G. Clist, Esq., B.Sc.	5	1	0	606	...	44·56	203	160
d	Tiverton (Halberton)	..	..	Miss M. G. Izat	5	1	6	300	40·8	38·16	213	154
D	Tiverton (Cowley Lodge)	..	..	E. G. Peirce, Esq.	5	2	6	250	37·3	39·75	188	153
D	Cullompton (Uffculme)	..	..	F. C. Doidge, Esq.	5	8	0	320	...	37·82	194	154
D	Culmstock (Woodgate Farm)	..	..	T. Langdon Hine, Esq.	5	1	0	550	...	37·23	203	157
D	Hemyock (Culm Davy House)	..	..	Capt. F. R. Elmes, J.P.	5	1	1	512	...	39·05	184	148
D	Morebath Manor	..	..	Major. F. R. Rothwell	5	1	0	600	44·3	52·04	191	174
7.—AXE & C. 237 sq. mi.												
D	Budleigh Salterton	..	..	R. Jones-Bateman, Esq.	5	1	0	370	...	33·83	227	137
w	Budleigh Salterton (Squabmoor)	..	..	Engineer, Exmouth U.D.C.	5	1	0	267	31·9	37·49	...	...
D	Exmouth (Squabmoor)	..	..	J. H. F. Foster, Esq.	5	1	0	450	...	36·92	194	138
D	East Budleigh (Batstone Cottage)	..	..	W. H. L. Hurman, Esq.	5	1	0	65	...	37·58	186	151
D	EAST BUDLEIGH (Bicton Old Rectory)	..	..	Colonel O. M. Dyke	5	1	0	64	...	32·53	197	131
w	East Budleigh (Yettington Intakes)	..	..	Engineer, Exmouth U.D.C.	5	1	0	300	32·2	37·48	...	...
D	East Budleigh (Bicton Gardens)	..	..	W. L. McCaskie, Esq.	5	1	0	90	31·4	33·28	156	128
D	SIDMOUTH	..	..	Borough Surveyor	5	1	0	25	...	33·20	174	133
D	Beer (Windyridge)	..	..	J. G. Sargent, Esq.	5	1	0	200	...	35·57	164	130
D	Seaton (Marlpit Lane)	..	..	H. S. Stewart, Esq.	5	1	0	150	...	37·17	192	150
D	Seaton (Millmead)	..	..	Vice-Admiral Sir F. Pridham	5	0	8	35	...	33·35	178	134
D	Lyme Regis (Pinhay)	..	..	Major Ormsby Allhusen	5	0	9	450	34·9	40·73	215	145
D	Colyton (Colyford)	..	..	A. R. Forbes, Esq.	5	1	0	100	...	38·51	197	148
D	Ottery St. Mary (Broad Oak)	..	..	Miss Tallant	5	1	2	300	...	39·00	215	153
d	Ottery St. Mary (Broad Street)	..	..	E. G. Mansell, Esq.	5	1	0	170	36·3	38·26	...	135
D	Ottery St. Mary (The King's School)	..	..	Headmaster	5	1	0	175	...	42·03	198	147
D	Seaton Junction	..	..	Express Dairy Co. Ltd.	5	1	7	114	...	41·49	175	138
D	Kilminster (Springfield)	..	..	Major J. M. Brierley, M.B.E.	5	1	0	220	...	43·97	207	147
D	Axminster (Gamberlake House)	..	..	Mrs. E. B. Bayley	5	1	6	120	...	40·02	186	145

|| Site unorthodox.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
SOUTH DEVONSHIRE—(contd.)		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
7.—AXE & C.—(contd.)									
D Hawkchurch (Castle House) ..	A. H. Noble, Esq. ..	5	1	0	278	...	40·10	188	142
d Honiton (Feniton Court) ..	Brig. P. B. E. Acland ..	10	1	0	200	36·4	40·90	...	135
D Honiton (Cotleigh House) ..	Late Major J. M. Salusbury-Trelawny, M.C. ..	5	1	3	540	...	45·16	213	170
NORTH DEVONSHIRE. (Area, 898 sq. mi.)									
1.—NORTH COAST STREAMS. 77 sq. mi.									
Longstone Barrow ..	C. H. Archer, Esq. ..	5	1	0	1550	...	94·94	...	...
D Ilfracombe Reservoir ..	Urban District Council ..	5	1	0	395	46·9	58·77	208	179
D ILFRACOMBE (Bowling Green) ..	Urban District Council ..	5	1	0	25	37·4	50·33	207	162
2.—TAW. 442 sq. mi.									
D Bow (Rosehill) ..	Miss M. Pope ..	5	1	0	400	...	39·59	245	168
D North Tawton ..	K. J. Young, Esq. ..	5	1	0	537	...	40·40	208	171
D Morchard Bishop Rectory ..	Rev. H. J. A. Rusbridger ..	5	1	0	560	...	38·40	221	177
D Chulmleigh (Ashreigney Rectory) ..	Rev. R. Y. Holmes ..	5	0	6	590	...	53·64	217	188
d East Anstey (Barton House) ..	Mrs. E. L. Hancock ..	5	1	0	760	...	61·03	218	198
D Chittlehampton (Stowford House) ..	T. R. M. Cardus, Esq. ..	5	1	0	275	...	46·43	218	184
D Bishops Tawton (Cadden Hill) ..	E. F. Batten, Esq. ..	5	0	11	400	...	41·74	225	177
D CHIVENOR Airfield ..	(+A) Meteorological Office ..	5	1	0	20	...	40·07	210	157
D Goodleigh (Chelfham Mill) ..	Lt.-Cmdr. J. K. Elliot, R.N. ..	5	0	11	145	...	62·13	239	191
D Challacombe (Chase Terrace) ..	Ilfracombe U.D.C. ..	5	1	0	904	62·8	81·53	239	211
3.—TORRIDGE. 342 sq. mi.									
M Dartmoor (Cranmere Pool) ..	E. J. Hain, Esq., for M.O. ..	5	1	0	1845	73·5	99·27	...	...
M Dartmoor (Newbridge) ..	E. J. Hain, Esq., for M.O. ..	5	1	0	1500	59·4	83·50	...	...
D Okehampton (Waterworks) ..	Borough Engineer ..	5	1	0	860	...	61·83	234	199
D Beaworthy (Shebbear College) ..	E. F. Foss, Esq. ..	5	1	0	540	...	55·85	234	194
D Winkleigh (Places) ..	R. A. B. Coad, Esq. ..	5	4	0	500	...	41·26	203	183
D Torrington (Caynton House) ..	C. T. Davenport, Esq., M.A. ..	5	1	0	278	39·3	43·19	216	170
D Parkham (Melbury Reservoir) ..	A. Brewer, Esq. ..	5	1	0	515	54·6	60·58	206	182
D Bideford (Jennett's Reservoir) ..	Borough Surveyor ..	5	1	0	62	40·8	42·82	209	169
D Bideford (Gammaton Reservoir) ..	Borough Surveyor ..	5	1	0	350	...	42·11	210	162
D Northam (Windmill Lane) ..	S. Welsford Pain, Esq. ..	5	1	0	200	...	40·75	220	170
D Westward Ho! (Royal Golf Club) ..	Steward ..	5	1	6	10	34·4	34·56	173	146
4.—WEST COAST STREAMS. 32 sq. mi.									
d Hartland (Fosfelle) ..	Mrs. L. J. Chadder ..	5	1	0	480	46·0	51·25	218	177
D Clovelly Court ..	Clovelly Estate Co. Ltd. ..	5	0	9	300	...	59·69	210	186
D HARTLAND POINT (Coastguard Stn.) ..	Station Officer, for M.O. ..	5	1	0	299	...	41·90	206	157
5.—EXE. 5 sq. mi.									
Kinsford Gate (Span Head) ..	C. H. Archer, Esq. ..	5	1	0	1590	...	98·46	...	...

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
CORNWALL. (Area, 1,363 sq. mi.)		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.									
D Crowan (Boswyn Reservoir)	Camborne Water Company	8	1	6	511	47·6	51·19	268	189
D PENDEEN (Rose Valley)	W. R. Searle, Esq.	8	1	0	384	...	45·98	234	174
D Lelant (Trevethoe House)	Col. G. L. Tyringham	5	1	4	100	44·4	49·13	230	179
D Hayle (St. Erth)	St. Erth Creamery	5	1	0	50	...	44·10	235	167
D St. Ives (Halsetown Vicarage)	Rev. T. C. F. Barfett	5	1	0	324	...	45·77	231	166
D St. Ives (Bussow Moor)	Borough Surveyor	5	1	0	390	48·6	47·34	223	160
D CAMBORNE (Rosewarne)	Rosewarne Exp. Hort. Stn.	5	1	0	250	...	42·09	222	157
d St. Agnes (Church Town)	Dr. Henry Whitworth	5	1	0	318	...	41·17	...	...
D NEWQUAY (Mount Wise)	Urban District Council	5	1	0	182	33·2	38·02	211	150
D ST. EVAL Airfield	(+A) Meteorological Office	5	1	0	345	...	39·55	210	156
D Bodmin (Castle Hill House)	Major Hare	5	0	8	484	49·4	54·18	233	183
D Wadebridge (Trevanson)	Miss A. T. Skilbeck	5	1	2	200	...	42·67	230	175
D Padstow (Cross Street)	J. W. V. Sheldon, Esq.	5	1	0	80	...	38·75	202	157
d Trevone (Pentonwarra)	W. M. Lindley, Esq.	5	1	0	25	...	35·06	207	148
D Trebetherick (Pendalen)	A. Griffiths, Esq.	5	0	9	150	...	40·96	229	176
D Camelford (Stannon Clay Works)	English China Clays, Ltd.	8	2	0	850	54·8	68·18	246	202
D Camelford (Advent)	W. O. Martyn, Esq.	5	2	0	890	...	67·18	227	200
D Camelford (Roughton View)	D. W. Bogle, Esq., for M.O.	5	1	0	700	...	64·68	247	204
D Delabole	Delabole Slate Co., Ltd.	5	1	6	650	...	48·26	232	186
D Bossiney	Mrs. W. Stephens	5	1	0	290	...	42·62	210	163
D BUDE (School House)	Urban District Council	5	1	0	50	33·4	38·56	211	167
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.									
D THE LIZARD (Coastguard Station)	Station Officer, for M.O.	8	1	0	240	33·3	34·09	213	147
D Ruan Minor (Poltesco)	A. A. Ironside, Esq.	5	1	0	120	...	36·79	209	158
D Porthcurno	Cable & Wireless, Ltd.	5	1	0	180	36·2	35·29	192	144
D Culdrose (R.N. Air Station)	Naval Weather Service	5	1	0	268	...	37·05	193	148
Mawnan Smith	Brig.-Gen. H. D. Croft*	5	0	9	205	...	43·05	211	171
Sithney (Tregathen Reservoir)	Helston & Porthleven W. Co.	5	1	0	400	...	44·28	...	...
D Wendron (Bodewennack)	Helston & Porthleven W. Co.	5	1	0	458	45·1	49·02	233	176
d Penzance (Trewidden)	Mrs. C. Williams	5	1	0	275	43·2	53·26	...	180
D St. Michael's Mount	Lord St. Levan	5	0	8	16	...	41·26	216	160
D PENZANCE (Penlee Gardens)†	Town Clerk	5	1	0	55	40·9	48·07	228	172
D Penzance (Tregwainton House)	Col. Sir E. H. W. Bolitho, C.B.	8	1	0	250	46·4	54·25	230	189
D GULVAL	Sutton & Sons	5	1	0	20	41·5	47·59	229	172
D FALMOUTH	Town Clerk	5	1	0	167	43·6	48·55	220	168
D Penryn Reservoirs	Falmouth Corp'n. W.W.	5	1	6	235	...	47·83	218	170
D St. Mawes (Lawn Bank)	J. Stanley-Verde, Esq.	5	1	0	100	...	40·18	190	149
D Gwennap (Trevince)	C. H. Beauchamp, Esq.	10	1	0	240	45·5	53·44	233	174
D Truro (Tregolls)	Mr. F. Mitchell	5	1	0	65	41·6	44·71	223	164
D Truro W.W. (Lower Tregurrow)	Manager	5	1	0	50	42·2	45·64	220	158
D Ladock (Pumping Station)	W. C. J. Truscott, Esq.	5	1	0	98	...	43·76	221	152
D St. Stephen (Hendra Pumping Stn.)	St. Austell R.D.C.	5	1	3	234	...	49·73	236	177
D ST. AUSTELL (Poltair Public Gardens)	Engineer & Surveyor	5	1	0	312	45·8	51·59	241	183
D St. Austell (Trethurgy)	Lantern China Clay Co., Ltd.	5	1	6	450	...	61·27	240	194
d Lerryn (Fore Street)	G. Barrett, Esq.	5	1	0	50	...	43·96	209	160
D Looe (Polteana)	W. C. Crowther, Esq., M.A.	5	1	0	60	...	49·46	229	163
D Liskeard (Penmilder)	Miss W. P. Foster	5	1	0	250	...	57·44	227	188
D Liskeard (Treventon)	E. R. Foster, Esq.	5	1	0	360	47·7	60·08	235	191
3.—TAMAR & C. 279 sq. mi.									
Newton Ferrers	Lady Diana Abdy	5	1	1	375	...	58·47	...	...
D §St. Mellion (ELLBRIDGE Exp. Stn.)	Horticultural Superintendent	5	1	0	200	...	52·43	230	178

† Station moved 200 yd. N.W. from Morrab Gardens 28.7.54.

§ Turf wall round gauge.

* Per Cornwall Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CORNWALL—(contd.)									
3.—TAMER & C.—(contd.)									
D St. Mellion (Pentillie Castle) ..	.. Capt. J. G. Coryton ..	5	1	0	150	...	57.83	225	168
d Pensilva (Penlee) ..	.. B. T. Skentelbery, Esq. ..	5	1	0	700	...	75.68	219	193
Launceston (North Hill) ..	.. H. Landrey, Esq.* ..	5	1	2	475	56.8	70.97	246	...
D Launceston (Bastreet, North Hill) ..	.. S. E. Cornwall Water Board ..	5	2	6	800	...	67.36	240	199
D Launceston (Landue) ..	.. Miss S. E. Tregoning ..	5	0	11	225	42.5	51.15	228	171
d Launceston (Western Road) ..	.. Cornwall River Board ..	5	1	0	430	...	53.18	...	...
d Boyton (Ditchen) ..	.. G. H. D. Heath, Esq. ..	5	1	0	455	...	49.59	...	173
Egloskerry (Tregeare) ..	.. Miss D. M. B. Lethbridge* ..	5	1	10	513	...	56.49	...	...
D North Tamerton (Davies) ..	.. W. S. Bray, Esq. ..	5	3	9	390	35.9	39.06	221	166
4.—INSULAR. Isles of Scilly. 6 sq. mi.									
D St. Mary's (Coastguard Station) ..	.. Station Officer, for M.O. ..	8	1	3	163	31.9	36.32	222	150
D Tresco Abbey ..	.. Late Major A. A. Dorrien Smith ..	5	1	0	40	33.4	37.52	222	160
M Tresco (Rowesfield) ..	.. Late Major A. A. Dorrien Smith ..	8	1	0	40	...	38.89	...	...
SOMERSET. (Area, 1,624 sq. mi.)									
1.—LOWER AVON. 294 sq. mi.									
D Witham Friary (Gare Hill) ..	.. C. J. Smith, Esq. ..	5	1	6	600	...	48.56	216	178
Wanstrow (Riverside House) ..	.. A. Febrey, Esq.** ..	5	1	0	445	37.7	45.54	...	...
D Shepton Mallett (Pondsmead) ..	.. Lady Hobhouse ..	8	1	0	710	44.9	56.70	239	204
D Frome Waterworks (Egford) ..	.. B. H. Parkes, Esq. ..	8	2	0	270	35.8	41.59	206	157
d Mells (The Manor House) ..	.. Mrs. K. Asquith ..	5	1	0	340	37.2	48.46	198	167
D Binegar (Gurneyslade) ..	.. Bursar ..	5	1	0	588	43.3	56.75	222	181
D Stratton-on-Fosse (Downside Abbey) ..	.. Bursar ..	8	1	0	600	41.5	50.20	217	164
D Stratton-on-Fosse (Greystones) ..	.. R. Chivers, Esq. ..	5	1	0	650	...	46.73	215	178
D Orchardleigh Park ..	.. A. Duckworth, Esq. ..	8	1	3	307	32.8	44.83	191	158
d Chilcompton (Manor Farm) ..	.. R. F. Mattick, Esq. ..	5	0	8	550	...	58.79	...	...
D Radstock (Ammerdown House) ..	.. Mr. L. Sweeting ..	5	0	9	450	...	51.33	215	162
D Chewton Mendip (The Priory) ..	.. The Earl of Waldegrave ..	5	0	11	580	42.7	54.19	202	170
w East Harptree (Pitt Farm) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	705	46.9	60.13	...	...
D Litton (Sherborne Reservoir) .. (+A)	.. R. W. M. Melvin, Esq. ..	5	1	0	340	40.0	51.77	210	169
w Harptree Hill ..	.. R. W. M. Melvin, Esq. ..	5	1	0	784	43.9	53.80	...	...
D East Harptree (Harptree House) ..	.. Lt.-Col. H. W. Kettlewell ..	5	0	9	345	43.7	55.96	226	177
w East Harptree (Harptree Court) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	308	39.9	50.06	...	...
D East Harptree (Townsend Pumping Stn.) ..	.. Water Eng'r, Clutton R.D.C. ..	5	1	6	220	39.8	50.66	216	173
D Hinton Blewett Manor ..	.. H. S. Russell, Esq. ..	5	1	0	500	39.6	47.45	208	172
w North Widcombe ..	.. R. W. M. Melvin, Esq. ..	5	1	0	215	36.0	44.02	...	...
w Chew Stoke (Heron's Green) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	179	36.2	46.50	...	...
D Pensford (Sutton Court) ..	.. Lord Strachie ..	8	1	0	280	37.0	46.86	235	173
d Midford (Tucking Mill Pumping Stn.)†	.. Bath Corporation W.W. ..	5	1	0	135	...	43.99	208	166
w Chew Stoke (Walley Court) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	202	35.5	46.95	...	...
w Ridgehill ..	.. R. W. M. Melvin, Esq. ..	5	1	0	400	36.0	45.10	...	...
D Chew Magna ..	.. R. W. M. Melvin, Esq. ..	5	1	0	180	36.3	45.63	234	174
w Winford (Upper Littleton) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	260	37.0	48.60	...	...
w Chew Magna (Norton) ..	.. R. W. M. Melvin, Esq. ..	5	1	0	342	...	45.64	...	...
D BATH (Henrietta Park) ..	.. Medical Officer of Health ..	5	1	0	67	30.3	37.51	202	152
d Bath (Southstoke Road) ..	.. P. Hambleton, Esq. ..	5	1	0	525	...	41.21	...	...
D Bath (Monkton Combe) ..	.. W. G. Lock, Esq. ..	5	1	0	450	30.3	36.05	210	155
D Bath (Isolation Hospital) ..	.. Medical Officer of Health ..	5	1	0	520	32.8	34.83	179	145
D BATH (City Boys School) ..	.. Medical Officer of Health ..	5	1	0	388	...	38.12	200	160

* Per Cornwall Rainfall Association.

** Per Somerset River Board.

† Formerly called Midford (Pumping Station).

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.)									
1.—LOWER AVON—(contd.)									
d Bath (7, Bathwick Hill) ..	Rev. Preb. A. B. Burney, M.A.	5	0	6	220	...	38.94	...	...
D Felton (St. Katherine's Vicarage) ..	Rev. Preb. H. L. Franklin..	5	1	0	560	...	43.63	189	148
w ¶ Felton (Upper Town) ..	R. W. M. Melvin, Esq. ..	5	1	0	550	38.2	48.73	...	...
d Bath (Hamilton Road) ..	Miss J. Macnab ..	5	1	6	500	...	42.08	...	152
D Batheaston Reservoir ..	Bath Corporation W.W. ..	5	1	0	248	31.1	38.32	202	147
d ¶ Keynsham (Wellsway) ..	A. E. Stephens, Esq. ..	8	1	0	134	29.6	33.75	...	...
D ¶ Keynsham (Somerdale) ..	J. S. Fry & Sons, Ltd. ..	5	1	0	58	29.4	36.80	204	148
D Barrow Gurney Reservoir ..	R. W. M. Melvin, Esq. ..	5	1	0	300	34.4	42.45	203	162
w Lansdown ..	Bath Corporation W.W. ..	5	1	0	380	...	42.05	...	...
D Long Ashton (School House) ..	J. B. Randell, Esq. ..	5	1	0	161	...	46.31	221	174
D LONG ASHTON (Research Station) ..	Director ..	8	1	0	162	34.1	44.68	213	169
d Failand House ..	H. G. Tanner, Esq. ..	5	1	0	380	34.6	50.06?	196	168
2.—YEO, AXE & BRUE. 405 sq. mi.									
D Bruton (Great Down Cottage) ..	F. K. Makins, Esq. ..	5	1	0	280	...	38.26	207	146
d Bruton (South Brewham) ..	G. E. May, Esq. ..	5	1	0	350	...	45.01	205	165
d Street (Low Level Reservoir) ..	Surveyor, U.D.C. ..	5	1	0	100	...	32.73	175	135
D Street (Hindhayes) ..	Bancroft Clark, Esq. ..	5	1	6	78	28.8	33.53	203	141
d Street (Sewage Farm) ..	Surveyor, U.D.C. ..	5	1	0	18	...	35.08	187	136
D Street (Millfield) ..	Bancroft Clark, Esq. ..	5	1	1	100	28.8	37.25	196	150
D Ashcott (Bradley Cottage) ..	G. Thomson, Esq. ..	5	1	0	114	...	35.78	193	142
w Sharpam (Turfmoor) ..	F. R. Underwood, Esq. ..	5	1	0	750	...	37.53	...	...
D Edington ..	Major A. C. F. Luttrell ..	5	1	6	90	31.2	38.40	218	172
Glastonbury (Hartlake Farm) ..	P. S. Smith, Esq.* ..	5	1	3	25	...	38.38	...	...
¶ Cossington (Gold Corner) ..	Somerset River Board ..	5	1	0	12	...	31.53	...	...
D Shepton Mallet (Charlton) ..	C. E. Burnell, Esq., J.P. ..	5	1	0	481	38.8	46.34	229	175
D Shepton Mallet (Field House) ..	Miss F. A. Berryman ..	5	1	0	500	38.6	46.50	210	166
D Shepton Mallet (Sewage Farm) ..	Surveyor, U.D.C. ..	5	1	3	350	38.7	47.60	204	179
D Highbridge (Bason Bridge) ..	Wilts United Dairies, Ltd. ..	5	1	0	17	...	34.44	209	158
Highbridge (Mark) ..	R. J. Tewkesbury, Esq.* ..	5	1	0	19	...	34.23	...	...
d Wookey Hole (Elm Batch) ..	W. Speed, Esq. ..	5	0	10	238	36.1	46.40	202	180
D Burnham (Dunstan House) ..	Miss A. E. Smith-Spark ..	5	1	0	20	29.1	33.65	197	159
D Burnham ..	Surveyor, U.D.C. ..	5	1	0	24	28.5	32.79	187	150
d Burnham (Berrow Road) ..	Miss M. Robinson ..	5	1	0	10	29.2	35.90	189	165
Brent Knoll (Station Road) ..	J. B. Morris, Esq.* ..	5	1	0	15	...	33.55	...	...
D Cheddar (Pumping Station) ..	R. W. M. Melvin, Esq. ..	5	1	0	50	33.6	42.38	206	171
w Charterhouse ..	R. W. M. Melvin, Esq. ..	5	1	0	619	43.2	51.81	...	...
Bleadon ..	G. C. Hutchings, Esq.* ..	5	1	0	25	...	34.79	...	...
D Winscombe (Mendip View) ..	C. Gibbs, Esq. ..	5	1	0	100	...	42.06	218	182
M Winscombe (Bore Hole) ..	Surveyor, Burnham U.D.C. ..	5	1	0	56	...	40.82	...	...
w Compton Martin ..	R. W. M. Melvin, Esq. ..	5	1	0	276	39.2	52.73	...	...
d Winscombe (Sidcot School) ..	Headmaster ..	5	1	0	250	...	(42.11)	...	...
w Ubley (Rookery Farm) ..	R. W. M. Melvin, Esq. ..	5	1	0	525	42.5	54.18	...	...
D Winscombe (Wintrath) ..	D. B. Grubb, Esq. ..	5	1	0	290	35.8	43.75	217	176
w Blagdon Hill ..	R. W. M. Melvin, Esq. ..	5	1	0	550	40.6	51.51	...	...
D Blagdon (Pumping Station) ..	R. W. M. Melvin, Esq. ..	5	1	0	112	37.0	46.03	203	170
D WESTON-SUPER-MARE (Clarence Park) ..	Medical Officer of Health ..	5	1	0	28	29.9	36.69	210	164
D Yatton (Pumping Station) ..	Long Ashton, R.D.C. ..	5	0	10	17	...	41.03	214	157
Yatton (Glentworth) ..	P. H. Hoy, Esq.* ..	5	1	0	36	...	42.74	...	...
D Yatton (Chelvey) ..	R. W. M. Melvin, Esq. ..	5	1	0	60	32.5	42.63	213	167
D West Town ..	Theodore Robinson, Esq. ..	5	2	0	80	31.9	41.55	208	160
D Clevedon (Tickenham Road P.S.) ..	R. W. M. Melvin, Esq. ..	5	1	0	50	31.2	41.44	202	169
D Walton-in-Gordano ..	Lt.-Col. Sir Chas. Miles, Bt. ..	5	0	9	80	...	40.71	227	170

¶ Gauge over-sheltered.

* Per Somerset River Board.

¶ Gauge over-exposed.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
SOMERSET—(contd.)		in.	ft.	in.	ft.	in.	in.		
2.—YEO, AXE & BRUE—(contd.)									
D Portishead (Bristol Road)	R. W. M. Melvin, Esq. ..	5	1	6	20	34·9	38·81	201	152
d Portishead (Redcliffe Bay)	R. A. S. Heaven, Esq. ..	5	1	0	180	...	44·52	209	174
3.—PARRETT. 568 sq. mi.									
Misterton (Henley)	Somerset River Board ..	5	1	0	475	...	(39·02)	...	...
d Misterton	Miss M. D. Bindley ..	5	1	0	300	...	41·00	179	144
D Crewkerne (The Reservoir)	Surveyor	8	1	0	425	33·7	43·02	195	147
D Crewkerne (Bincombe House)	Major R. A. Russell, T.D. ..	5	1	2	293	34·7	38·28	203	135
d Sutton Bingham Reservoir	Yeovil R.D.C.	5	1	0	182	...	38·62	208	143
D Yeovil (Reckleford Junior School) ..	Headmaster	5	1	0	150	...	36·64	185	136
D Yeovil (Pen Mill Sewage Works) ..	Senior Sanitary Inspector ..	5	1	5	100	30·6	(38·45)	223	144
D Norton-sub-Hamdon (Fruit Farm) ..	Lt.-Cmdr. W. E. Halsey ..	5	1	0	126	...	31·67	190	138
D Pitminster (Blagdon Hill)	R. B. A. Hankey, Esq. ..	5	0	10	650	...	49·64	230	167
D Angersleigh (Leigh Reservoir) ..	Taunton Waterworks ..	5	1	0	530	...	43·54	193	153
Compton Durville (Waterworks) ..	Langport R.D.C.* ..	5	1	0	60	...	32·45	...	...
D BICKENHALL	A. H. Turner, Esq. ..	5	1	0	231	...	43·13	216	155
d Sampford Arundel (Sandfield) ..	Mrs. S. G. Williams ..	5	1	0	413	...	38·31	203	167
D Ashbrittle (Kyrle)	Major J. H. Mathias ..	5	0	9	525	...	40·40	223	171
D Martock (The Grange)	G. E. Barron, Esq. ..	5	0	9	60	29·6	31·66	190	138
D Wellington (West Buckland) ..	D. R. Chappell, Esq.* ..	5	1	0	200	...	34·91	...	...
D Rimpton (Pound House)	Miss A. A. Gegg ..	5	1	0	140	...	31·59	203	133
D Taunton (Vivary Park)	Medical Officer of Health ..	5	1	0	71	27·5	29·48	207	132
Queen Camel (England's Side) ..	Mrs. V. M. Brendon* ..	5	1	0	100	...	33·44	...	...
d Taunton (St. George's Rectory) ..	Canon R. A. Iles ..	5	0	7	90	...	28·89	...	...
D Milverton (Olands Cottage)	Miss E. R. Broadmead ..	5	1	6	330	...	35·71	196	158
D Milverton (Spring Grove)	T. Lownds, Esq. ..	5	1	0	640	36·7	39·42	226	169
Langport (Drayton)	E. Dabinett, Esq.* ..	5	1	0	46	...	31·75	...	...
D Milverton (Rivers Farm)	A. Wimbush, Esq. ..	5	1	0	300	...	35·11	211	162
d Wiveliscombe (Culverhead)	Lt.-Col. H. Jefferys-Taylor ..	5	1	6	450	39·6	43·82	201	165
D Wiveliscombe (Bournes)	G. B. Synge, Esq. ..	5	1	0	350	...	43·38	222	171
D Huish Episcopi (County Sec. School)	Headmaster	5	1	0	65	28·1	30·31	193	136
D North Cadbury	H. R. Watson, Esq. ..	5	1	0	240	...	38·50	213	160
D Somerton (Erleigh)	A. R. E. Pretor-Pinney, Esq. ..	5	1	0	106	...	33·41	177	134
Somerton Court	Col. E. A. Bray ..	5	1	0	60	...	31·82	...	...
D Wiveliscombe (Bulland Lodge) ..	Air V.-M. A. J. Capel, C.B. ..	5	1	1	790	...	48·23	230	184
D Bishop's Lydeard (Ash Priors) ..	H. Ross, Esq.* ..	5	0	9	169	...	33·05	...	...
Kingston St. Mary (Hillside) ..	Somerset River Board ..	5	1	0	330	...	30·39	...	...
D Kingston St. Mary (St. Mary's Cottage)	Mrs. Shattock ..	5	1	0	230	...	33·29	219	150
D Bishop's Lydeard (Watts House) ..	Agent to Trustees ..	5	1	0	320	...	29·74	189	141
Babcary (The Cedars)	D. R. May, Esq.* ..	5	1	0	150	...	33·32	...	...
West Sedgemoor (Pumping Station) ..	Somerset River Board ..	5	1	0	25	...	29·44	...	...
Taunton (East Lyng)	J. T. Ames, Esq.* ..	5	1	0	43	...	31·90	...	...
Durston (West Newton Farm) ..	C. J. Hill, Esq.* ..	5	1	0	130	...	31·57	...	...
D §Clatworthy (Whites Farm)	Taunton Waterworks ..	5	1	0	823	...	51·48	212	186
M §Clatworthy (Stoford Farm)	Taunton Waterworks ..	5	1	0	1091	...	55·85	...	...
M §Clatworthy (Sedgeborough Farm) ..	Taunton Waterworks ..	5	1	0	1079	...	52·21	...	...
Castle Cary	W. Davis, Esq.* ..	5	1	0	290	...	38·15	...	...
D Bagborough (Littlecourt)	Lt.-Gen. Sir Ed. Wetherall ..	5	1	0	455	...	35·93	206	158
D Bridgwater (Northmoor P.S.) ..	(+A) Somerset River Board ..	5	1	0	23	...	32·05	205	140
Bridgwater (Enmore)	Mrs. Broadmead* ..	5	4	6	275	...	34·17	...	...
D Bridgwater (Durleigh)	R. A. Watson, Esq. ..	8	1	0	46	29·8	34·43	194	146
D Bridgwater (Blake Gardens)	R. A. Watson, Esq. ..	5	3	1	27	28·5	35·34	201	158
Bridgwater (Wembdon Hill) ..	Mrs. M. L. Colthurst* ..	5	1	0	110	...	31·45	...	...
D Bridgwater (Blacklands Street) ..	N. S. Bailey, Esq. ..	5	1	0	18	...	32·51	197	134

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.)									
3.—PARRETT—(contd.)									
D Bridgwater (Wembdon)	E. L. Kelting, Esq., O.B.E.	5	1	0	47	...	33.27	208	150
D Over Stowey (Plainsfield)	Lord St. Audries	5	0	10	400	...	37.38	220	155
Crowcombe (Quantock Farm)	M. A. Bucknell, Esq.*	5	1	0	1000	...	38.77	...	...
D Over Stowey (Quantock San.)	Medical Superintendent	5	1	4	430	35.0	40.39	222	169
D Cannington (Ashford Waterworks)	R. A. Watson, Esq.	5	1	1	102	31.4	33.86	183	148
D Over Stowey	H. L. Butt, Esq.	5	1	0	550	...	41.93	237	173
D CANNINGTON (Somerset Farm Inst.)	Principal	5	1	0	95	...	31.19	193	138
Bridgwater (Fiddington)	J. M. Lee, Esq.*	5	1	0	100	...	38.92	...	...
4.—NORTH COAST STREAMS. 158 sq. mi.									
d Treborough (Sminhayes Farm)	Major R. A. Archer	5	1	0	1150	...	58.03	222	208
Treborough (Withiel Hill)	Major R. A. Archer	5	1	0	1275	...	61.42	...	...
Lype Hill	Major R. A. Archer	5	1	0	1320	...	65.33	...	...
Timberscombe (Croydon Hill)	Major R. A. Archer	5	1	0	1175	...	53.29	...	...
d Bicknoller (Weacombe House)	W. T. Greswell, Esq.	5	1	6	300	34.2	39.10	192	157
M Quantock Hills (Round Hill)	Lord St. Audries	5	1	0	900	...	40.42	...	...
D Dodington	W. Stone, Esq.	5	1	0	330	...	39.12	207	155
Holford	E. L. Kelting, Esq., O.B.E.	5	1	0	350	...	36.19	...	...
d Kilve Court	Mrs. Cooke-Hurle	5	1	0	150	30.0	34.69	187	155
d Kilve (Corner Close)	Major H. J. Cann	5	0	9	350	...	36.97	...	...
D East Quantoxhead (The Rectory)	Mrs. F. L. Aldridge	5	1	0	130	...	35.58	188	154
D Stogursey (Fairfield House)	Lord St. Audries	8	1	0	150	31.1	34.97	206	152
Goosemoor (West Dunkery)	C. H. Archer, Esq.	5	1	0	1581	...	87.06	...	...
§Dunkery Beacon	C. H. Archer, Esq.	5	1	0	1650	...	82.47	...	...
Chains Barrow	C. H. Archer, Esq.	5	1	0	1587	...	104.61	...	...
D WOOTTONCOURTENAY (Ford Cott.)(+A)	C. H. Archer, Esq.	5	1	0	486	...	53.53	231	175
D Carhampton (The Croft)	E. W. Darby, Esq.	5	1	0	100	...	41.01	231	174
Porlock (Nutscale Reservoir)	Eng'r & Surveyor, Minehead	5	1	6	1000	...	67.52	...	...
D Dunster Castle Gardens	Mr. C. Heritage	8	1	0	100	...	38.85	216	161
D Dunster (County School)	J. H. Powles, Esq.	5	1	0	160	32.2	39.71	218	169
d Minehead (Dunkery Lodge)	Rev. E. P. Liddon	8	1	0	15	...	40.00	201	165
d Porlock (Hacketty Way)	H. K. Reeves, Esq.	5	1	0	200	...	47.04	...	158
D Stolford (Whitewick Farm)	C. Mackenzie, Esq.	5	0	9	10	...	36.75	222	161
D Minehead (Blenheim Gardens) (+A)	Engineer & Surveyor	5	1	6	37	33.4	37.93	204	160
d Minehead (Weirfield)	Rev. Canon A. G. Robinson	5	1	5	110	...	38.78	217	179
d Porlock Weir	E. Percival, Esq.	5	1	6	60	...	46.46	...	161
5.—EXE. 122 sq. mi.									
D East Anstey (Dassels)	Major F. R. Farquhar	5	1	0	850	...	61.59	240	196
D Dulverton (The Cottage)	Miss B. K. Abbot	5	1	0	450	...	61.01	244	200
D Bridgetown	Miss K. M. Worsley	5	1	0	650	...	62.47	245	197
D Winsford	Capt. R. S. Le Bas	5	1	0	620	...	61.16	241	191
D Winsford (Howtown House)	W. H. Hawker, Esq.	5	1	6	690	...	58.16	221	183
Kinsford Gate (Quarry)	C. H. Archer, Esq.	5	1	0	1500	...	101.95	...	...
D Exford (Lower Thorne)	Miss C. Reed	5	0	7	1000	...	78.65	235	217
D Simonsbath (Honeyhead)	B. N. Waley-Cohen, Esq. ..	5	1	0	1250	...	76.29	241	207
6.—AXE. 42 sq. mi.									
D Wayford Manor	H. L. P. Baker, Esq.	5	0	10	420	...	40.92	179	147
D Cricket St. Thomas	Mr. G. A. Wakefield	5	1	0	444	39.3	47.77	175	152
D Church Stanton (Otterhead)	Water Engineer, Taunton ..	5	1	0	819	...	50.35	231	166
7.—STOUR. 35 sq. mi.									
Henstridge	Mr. P. Parsons*	5	1	1	256	...	36.99	...	...
D Horsington (Throop Farm)	Brig. F. C. F. Cleeve	5	1	0	460	...	37.04	208	158

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—WYE. 50 sq. mi.									
d St. Briavels (Wyeside)	Major H. J. Le Mare	5	1	0	450	...	50·04	(197)	(153)
D Redbrook (Pumping Station)	H. Parks, Esq.	5	1	0	220	...	44·26	194	140
2.—SEVERN. Right Bank Tributaries. 185 sq. mi.									
D Forest of Dean (Blakeney Hill Lodge)	Forestry Commission	8	1	6	450	31·6	38·75	171	146
D Forest of Dean (PARKEND)	Forestry Commission	8	1	0	325	...	46·25	200	153
D §Coleford (Cannop Colliery)	Manager	5	1	0	330	...	45·31	199	128
D Forest of Dean (Serridge Lodge)	Forestry Commission	8	0	10	600	...	40·91	178	141
d Forest of Dean (Edgehills Lodge)	Forestry Commission	8	1	0	915	...	40·19	...	...
D Newent (Taynton)	M. Philips Price, Esq.	5	1	0	60	29·3	34·69	190	130
d Bromsberrow Heath (Pumping Station)	Malvern U.D.C.	5	1	0	181	26·2	33·72	...	130
d Tewkesbury (Forthampton Court)	Mr. F. R. Mayo	5	1	0	48	26·9	29·47	...	132
D Tewkesbury (Upper Lode)	British Waterways	5	1	0	41	25·2	29·11	219	130
3.—SEVERN. Left Bank Tributaries. 369 sq. mi.									
D Alderley (Cordwalles)	C. H. Ledward, Esq.	5	1	0	300	...	41·43	203	149
D Falfield (Tortworth)†	J. R. Organ, Esq.	5	1	6	264	31·8	(43·35)	189	154
d Wotton-under-Edge (Bournstream)	Lt.-Col. B. S. Browne	5	1	8	300	...	41·69	...	...
D Upper Cam (Lansdown)	A. W. Hughes, Esq.	5	1	0	350	...	42·56	208	153
D Berkeley (Sharpness Docks)	British Waterways	5	1	3	50	29·5	37·07	197	147
D Minchinhampton (Rectory Cottage)	F/Lt. G. W. Fisher	5	1	0	610	33·9	43·08	207	154
d Chalford (Waterworks)	Stroud District Water Board	5	2	0	220	...	39·19	...	...
d Frocester Manor	Capt. J. E. H. Graham-Clarke	5	1	0	80	...	36·28	...	...
D Stroud (Oakridge)	Lady Cripps	5	1	0	600	...	40·73	220	152
D Stonehouse (Wycliffe College)	W. A. Sibly, Esq.	5	1	0	135	29·0	34·59	175	135
Stroud (RUSCOMBE)	Capt. B. D. Parkin	5	1	0	610	...	38·20	204	146
Miserden Park	Agent	5	1	3	800	...	45·27	221	166
D Whitminster (The Junction)	British Waterways	5	1	0	32	...	37·52	193	144
d Haresfield Court	G. B. Heywood, Esq.	5	1	0	100	30·2	33·62	...	130
D Harescombe Grange	Mrs. Stamford Hutton	5	1	0	557	29·3	36·99	187	144
D Cranham (Woodside)	J. H. Edwards, Esq.	5	1	5	650	...	34·34	191	140
D Witcombe Reservoir	J. H. Goodridge, Esq., C.E.	8	1	0	297	29·2	33·73	197	129
D Gloucester (Llanthony Lock)	British Waterways	5	0	10	33	25·4	28·98	185	131
D Dowdeswell Reservoir	Chelt. & Gos. Water Board	5	1	3	357	30·0	34·92	187	135
D Cheltenham (Hewletts Reservoir)	Chelt. & Gos. Water Board	8	1	6	419	27·7	32·43	203	138
D Cheltenham (Sandford Mead)	Chelt. & Gos. Water Board	5	2	4	210	26·3	31·85	178	138
D Cheltenham (Montpellier Gdns.) (+A)	Town Clerk	5	1	0	214	26·5	30·48	191	131
D Cheltenham (Cemetery)	Superintendent	5	1	3	800	...	30·51	173	127
D Tewkesbury (Pumping Station)	Chelt. & Gos. Water Board	5	1	0	47	23·9	26·97	182	137
4.—SEVERN. Upper Avon. 68 sq. mi.									
D Blockley (The Manor House)	Major H. F. Cox	5	1	0	450	29·4	35·46	218	148
d Winchcombe (Sudeley Castle)	Mrs. M. Dent-Brocklehurst	5	1	0	357	29·8	34·07	...	...
D Chipping Campden (Leysbourne)	Miss C. Sparling	5	1	0	470	...	33·37	220	148
D Campden (Research Station)	Director	5	1	0	389	...	32·71	183	132
5.—LOWER AVON & C. 208 sq. mi.									
D Bitton (Willsbridge Nurseries)	G. E. A. Richards, Esq.	5	1	0	100	...	38·75	214	148
D Bath (Monkswood Reservoir)	Bath Corporation W.W.	5	1	0	365	...	41·86	217	163

† Station moved from Tortworth School 10.4.54.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
GLOUCESTERSHIRE—(contd.)									
5.—LOWER AVON & C.—(contd.)									
D Hanham (Conham Sewage Works) ..	W. J. Lee, Esq. ..	5	1	3	50	...	41.54	209	156
D Bristol (Hopewell Hill) ..	West Gloucester Water Co. ..	8	1	8	386	30.5	41.08	209	163
D Clifton (Oakfield Road) ..	R. W. M. Melvin, Esq. ..	5	1	0	200	33.0	44.30	193	161
d Bristol (St. Andrew's Park) ..	Miss O. M. Webb ..	5	1	6	200	32.6	42.65	...	...
D Horfield ..	(+A) City Engineer, Bristol ..	5	1	0	248	...	42.32	190	153
D Filton (Bristol Airport) ..	(+A) Meteorological Office ..	5	1	0	192	...	37.59	203	149
D Henbury (The Ridgeway) ..	R. H. Gunn, Esq. ..	5	1	0	263	...	40.10	204	157
D Frampton Cotterell (Park House) ..	A. G. Harding, Esq. ..	5	1	0	158	29.8	38.98	226	163
D Frampton Cotterell (Pumping Station) ..	West Gloucester Water Co. ..	5	1	0	154	...	37.83	191	155
D Badminton Gardens ..	Head Gardener ..	5	1	0	407	...	48.32	197	161
D Shipton Moyne (Pumping Station) ..	West Gloucester Water Co. ..	5	1	0	312	...	43.52	228	158
D Long Newton ..	P. A. Day, Esq. ..	5	1	0	350	...	42.09	199	158
6.—THAMES. Right Bank Tributaries. 17 sq. mi.									
7.—THAMES. Windrush & c. 340 sq. mi.									
South Cerney Airfield ..	(+A) Meteorological Office ..	5	1	0	369	...	32.76	...	...
d Fairford (Reevey, Kempsford) ..	Major H. A. Northern ..	5	1	0	260	25.6	32.21	...	148
D Lechlade (St. John's Lock) ..	Thames Conservancy ..	5	1	7	237	24.3	28.50	200	127
D Cirencester (Royal Agric. College) ..	Principal ..	5	1	0	350	31.9	39.53	187	157
D Cirencester (Somerford Road) ..	Nigel Woods, Esq. ..	5	1	0	354	30.8	38.17	206	148
D Cirencester (Baunton W.W.) ..	(+A) Cirencester U.D.C. ..	5	1	0	396	...	37.11	213	143
d Great Barrington ..	Mrs. R. E. Lazenby ..	5	1	6	417	28.8	33.04	...	151
D Little Rissington Airfield ..	(+A) Meteorological Office ..	5	1	0	731	29.4	34.29	193	135
HEREFORDSHIRE. (Area, 840 sq. mi.)									
1.—WYE. 685 sq. mi.									
D Broad Oak (Glanmonnow House) ..	Brig.-Gen. T. R. F. Bate ..	5	0	10	500	...	34.92	237	141
d Llangarron (Tre Evan) ..	Miss P. J. A. Owen ..	5	1	6	256	...	32.34	...	122
Walford (Hill Court Gardens) ..	Mrs. G. R. Trafford ..	5	1	1	126	28.4	33.79	179	143
D ROSS-ON-WYE ..	(+A) F. J. Parsons, Esq., for M.O. ..	5	1	0	223	28.2	31.57	175	127
D Kentchurch Court ..	J. Lucas-Scudamore, Esq. ..	5	1	0	236	33.0	36.60	193	129
D Perrystone Court ..	Lt.-Gen. Sir Sidney Clive ..	5	1	3	450	...	32.05	192	136
D Much Dewchurch (The Mynde) ..	Capt. Clive ..	5	1	0	420	...	31.64	189	127
D Sollershope (Perryfield) ..	A. G. Fyshe, Esq. ..	5	1	0	320	...	30.03	193	125
D Vowchurch (Ladywell House) ..	A. S. Wood, Esq. ..	5	1	0	400	34.9	39.45	201	138
D Michaelchurch Escley (Llan Rosser) ..	J. M. Maddy, Esq.* ..	5	1	0	1125	40.6	48.96	220	160
D Hampton Bishop ..	G. W. Hill, Esq.* ..	5	1	0	145	...	29.95	169	120
D Hereford (Sewage Works) ..	F. Margerison, Esq., C.E. ..	5	1	0	167	...	30.72	172	126
D Hereford (Breinton Court) ..	Mrs. R. E. H. Bailly ..	5	1	0	238	25.9	30.90	196	137
D Hereford (Kings Acre Road) ..	A. C. Quinn, Esq. ..	5	1	0	216	...	29.24	192	132
D Tillington Fruit Farm ..	Co-op. Wholesale Soc. Ltd. ..	5	4	6	270	...	31.13	199	128
d Clifford School ..	Headmaster ..	5	1	7	490	33.1	40.06	...	122
d Burghill Hospital ..	Medical Superintendent ..	5	1	0	300	26.3	30.05	...	120
D PRESTON WYNNE ..	Farm Director ..	5	1	0	274	...	28.81	179	128
D Wellington (Yew Tree House) ..	Mrs. E. H. P. Jackson ..	5	1	0	185	...	32.40	213	138
D Weobley (Garnstone) ..	Lt.-Col. R. N. H. Verdin ..	5	1	2	442	...	35.77	198	125
D Sarnesfield Grange ..	Rev. W. Marshall ..	5	1	0	378	...	36.69	172	147
D Hope under Dinmore ..	Cadbury Bros. Ltd.* ..	5	1	0	246	27.4	31.80	184	129
D Pembridge (Moor Court) ..	Mrs. L. Benn ..	5	1	8	400	...	36.85	184	148
D Bromyard (The Down House) ..	Capt. L. R. Hibbert ..	5	1	1	485	28.1	31.43	192	138
D Lyonshall (The Croft) ..	Major R. J. Jones ..	5	1	0	474	...	39.16	205	144
D LYONSHALL (The Whittern) ..	R. H. Green, Esq. ..	5	1	0	510	...	39.42	190	147
D Monkland Cottage ..	Capt. N. J. Bengough ..	5	1	3	300	...	31.13	209	131

* Per Wye River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			.01 in.	.04 in.
			above	Sea Level	Sea Level			or more	or more
		in.	ft.	in.	ft.	in.	in.		
HEREFORDSHIRE—(contd.)									
1.—WYE—(contd.)									
D Kimbolton (Grantsfield)	Miss D. W. Hutchinson ..	5	1	0	424	28.4	31.96	182	136
D Shobdon (Ty'n-y-Coed)	Miss Woodhouse	5	1	0	450	...	37.88	218	150
D Leaminstor (Croft Castle)	Major O. G. S. Croft ..	5	0	9	600	...	38.56	180	148
D Presteigne (Middlemoor)	A. M. Wilson, Esq. ..	8	1	0	480	34.0	40.90	224	157
2.—SEVERN. Right Bank Tributaries. 155 sq. mi.									
D Newent (Kilcot)	Forestry Commission ..	8	1	6	170	...	35.20	185	142
d Much Marcle (Hall Court)	Mrs. J. J. S. Powell ..	5	1	0	200	...	30.05	169	138
d Ledbury (The Sladd)	Major R. E. Combe, M.C. ..	5	1	0	400	...	32.90	190	142
D Cradley School	R. G. Hughes, Esq. ..	5	0	9	250	...	30.11	163	126
D Downton Castle (Estate Office) ..	Major W. M. P. Kincaid Lennox	5	0	9	456	...	35.44	203	148
SHROPSHIRE. (Area, 1,343 sq. mi.)									
1.—MERSEY. Weaver. 27 sq. mi.									
D Adderley (Raven House)	Mrs. Edmond Browne ..	5	1	1	250	...	34.01	226	166
2.—DEE. 30 sq. mi.									
D Whitchurch (Fenns Bank)	F. W. Sanders, Esq. ..	8	1	0	271	27.1	36.79	216	155
D Overton (Sodylt Hall)	W. S. Corbett Lowe, Esq. ..	5	3	0	267	29.7	40.46	216	177
3.—SEVERN. Right Bank Tributaries. 722 sq. mi.									
D Bucknell Vicarage	Rev. W. A. Woodhouse ..	5	1	7	480	...	39.64	209	151
d Ludlow (Hill Crest)	C. B. Marston, Esq. ..	5	1	6	350	...	35.28	...	140
d Bromfield (Oakly Park)	Head Gardener	5	1	5	300	29.7	37.44	217	149
M Cleobury Mortimer (Chilton) ..	Col. F. M. Tomkinson ..	5	2	0	410	...	37.83	...	...
D Anchor (Kerry Forest)	Forestry Commission ..	5	0	10	1150	...	60.89	275	209
D Burwarton (Dingle Leys)	R. B. C. Edwards, Esq. ..	5	0	11	730	...	39.64	212	157
D Craven Arms (Westhope Cottage) ..	Lady Dyer	5	0	11	610	...	35.06	205	141
d Lydbury North (Totterton)	Major W. H. B. Whitaker ..	5	0	10	700	30.8	35.27	...	...
D ||Bishops Castle (The Mount) ..	F. Lavender, Esq. ..	5	1	0	735	...	33.66	224	150
D Church Stretton (Sewage Works) ..	Surveyor, U.D.C. ..	5	1	0	582	33.0	40.16	222	166
D Bridgnorth (Silverdale)	H. E. Trevor, Esq. ..	5	1	0	245	...	29.44	206	137
D Bridgnorth (Morville Hall)	Mrs. Bythell	5	1	0	300	...	30.63	188	140
D Chirbury (Marrington Hall)	Brig. C. S. Price-Davies ..	5	1	0	490	29.5	34.45	194	160
d Cressage (Harnage Grange)	E. W. Towler, Esq. ..	5	1	1	384	...	29.02	...	140
d Worthen	Dr. D. M. Hunter ..	5	1	0	395	...	36.74	216	175
D Meole Brace Hall	J. B. Hoare, Esq. ..	5	1	0	250	...	30.01	205	141
D Shrewsbury (St. John's Hill)	Atcham R.D.C. ..	5	1	0	253	...	28.94	178	135
D SHREWSBURY (Monkmoor)	Medical Officer of Health ..	8	1	0	184	24.7	30.60	216	144
4.—SEVERN. Left Bank Tributaries. 564 sq. mi.									
D Bridgnorth (Stanmore Hall)	The Hon. E. S. Hamilton-Russell	5	1	0	297	...	29.76	223	134
D Hilton (Pumping Station)	B. L. McMillan, Esq., C.E. ..	5	1	0	168	...	28.76	197	139
D Ackleton (The Folley)	H. J. Bath, Esq. ..	5	1	0	230	...	31.45	224	158
D Pattingham (Kingslow Hall)	R. Tildesley, Esq. ..	5	1	0	300	...	30.49	166	139
d Shifnal (Hatton Grange)	Head Gardener	5	1	6	262	26.1	37.34	194	161

|| Gauge over-sheltered.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SHROPSHIRE—(contd.)									
4.—SEVERN. Left Bank Tributaries—(contd.)									
D Shifnal (Cosford Waterworks) ..	B. L. McMillan, Esq., C.E.	5	0	10	222	...	32·17	205	147
D Wellington W.W. (Wrekin Reservoir)	Surveyor	8	1	4	478	25·7	40·52	199	142
D Wellington (Wrekin College) ..	D. H. B. Pirkis, Esq. ..	5	0	7	340	...	34·84	196	138
Wellington (Allscott)	British Sugar Corp'n., Ltd.	5	0	9	200	...	30·22	...	...
D NEWPORT (Harper Adams Ag. Coll.)	Principal	5	1	0	211	24·8	30·15	215	142
D SHAWBURY Airfield (+A)	Meteorological Office ..	5	1	0	235	...	30·98	206	138
d Newport (Chetwynd Park)	J. G. B. Borough, Esq. ..	5	0	9	230	28·3	33·79	212	146
D Wem (Modern School)	Headmaster	5	0	9	260	...	35·03	214	163
d Oswestry (Llanyblodwel)	Mrs. R. Dugdale	5	0	7	300	...	(42·88)	...	...
D OSWESTRY (Filter Beds)	Liverpool Corporation W.W.	5	1	0	570	...	42·58	204	165
D Oswestry (Llanforda Reservoir) ..	Liverpool Corporation W.W.	8	1	0	702	...	45·66	189	160
D Oswestry (Mount Reservoir) ..	J. E. Taylor, Esq., C.E. ..	5	1	0	698	34·5	47·22	236	174
D Oswestry (Llwyn Terrace) .. (+A)	J. E. Taylor, Esq., C.E. ..	5	1	0	430	...	44·19	227	144
D Ellesmere (Sheraton House) ..	C. Adam, Esq.	5	0	10	300	...	41·26	207	167
STAFFORDSHIRE. (Area, 1,166 sq. mi.)									
1.—MERSEY. Weaver. 50 sq. mi.									
D Madeley Vicarage	Rev. W. Garner*	5	1	0	350	30·7	42·52	232	170
D Biddulph Grange	Secretary	5	1	0	560	33·8	47·11	212	177
2.—SEVERN. Left Bank Tributaries. 160 sq. mi.									
D Kinver	R. A. Robertson, Esq., C.E.	5	1	0	152	...	31·67	206	138
d Lye (Pumping Station)	Messrs. Bateman, Gard & Whimster	5	1	0	245	...	35·44	...	142
D Kinver (Prestwood)	R. A. Robertson, Esq., C.E.	5	1	0	179	...	28·83	201	136
D Kingswinford (Ashwood Pumping Stn.)	R. A. Robertson, Esq., C.E.	5	1	0	207	24·9	28·09	209	140
D Wolverhampton (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	5	0	9	323	...	30·96	200	135
d Wolverhampton (West Park) ..	Medical Officer of Health ..	5	1	0	430	27·1	33·67	...	...
D Tettenhall (Waterworks)	B. L. McMillan, Esq., C.E.	5	0	10	468	...	33·41	214	148
D Shifnal (Weston Park)	The Earl of Bradford ..	5	1	6	400	27·3	33·84	234	152
d Norbury Junction	British Waterways	5	1	0	331	28·0	33·44	...	...
D MARKET DRAYTON (Loggerheads)	Cheshire Joint Sanatorium	5	1	0	581	...	38·43	215	163
d Maer Hall Gardens	Mr. A. E. Berisford ..	5	1	0	410	32·5	38·92	...	160
3.—TRENT. Right Bank Tributaries. 513 sq. mi.									
D Tividale (Sewage Disposal Works) ..	Messrs. Bateman, Gard & Whimster	5	1	0	432	...	33·01	202	146
D West Bromwich (Dartmouth Park)(+A)	Borough Surveyor	8	1	7	543	26·2	34·13	169	134
D Tipton (Toll End Sewage Works)	Manager	5	1	0	400	...	33·97	225	152
D Walsall (Bescot Sewage Farm) ..	M. E. Habershon, Esq. ..	5	0	11	387	26·9	33·96	207	147
D Darlaston (Sewage Works)	S. E. Hammonds, Esq. ..	8	1	6	393	...	31·70	205	139
D Willenhall (Sewage Works)	Engineer & Surveyor ..	5	0	10	390	...	28·90	199	151
D WALSALL (Dartmouth Avenue) ..	J. C. W. Day, Esq. ..	5	1	0	455	...	36·23	220	160
D Aldridge (Bourne Vale)	R. A. Robertson, Esq., C.E.	5	1	0	419	25·1	32·92	199	143
D Codsall (Suckling Green Lane) ..	P. W. Iliff, Esq.	5	1	0	410	...	34·31	227	150
D OAKEN (Manor House)	A. J. Parkes, Esq., M.C. ..	5	1	1	409	...	33·20	191	145
D Shenstone (Little Hay)	R. A. Robertson, Esq., C.E.	5	1	0	298	...	34·78	215	155
D Pelsall (Goscote Sewage Works) ..	M. E. Habershon, Esq. ..	5	1	0	435	...	34·15	196	144
D Tamworth (Sewage Pumping Station)	K. Price, Esq.	8	0	10	182	...	30·84	218	148
D Brownhills (Sandhills)	R. A. Robertson, Esq., C.E.	5	1	0	407	...	35·69	206	153

* Per Cheshire River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			.01 in.	.04 in.
			Ground	Sea Level	Sea Level			or more	or more
STAFFORDSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
3.—TRENT. Right Bank Tributaries—(contd.)									
D Brownhills	Engineer & Surveyor ..	5	1	8	492	26·8	34·07	202	151
D Cannock (Great Wyrley)	R. Sambrook, Esq. ..	5	1	0	420	...	35·48	235	151
D Brewood (Slade Heath Pumping Station) ..	R. A. Robertson, Esq., C.E.	5	1	0	340	25·4	31·12	171	143
D Whittington (Old Hall)	Mr. E. J. L. Lockyer ..	5	1	3	221	...	31·54	195	155
D §Cannock (Longford Rd. Sew. W.)(+A) ..	Cannock U.D.C. ..	5	1	0	400	...	31·27	196	141
d Cannock (Heath Hayes Sewage Works) ..	Cannock U.D.C. ..	5	1	0	531	...	34·21	...	...
D Hednesford (Gentleshaw)	R. A. Robertson, Esq., C.E.	5	1	0	744	...	35·86	216	160
d Brewood (Belvide Reservoir)	British Waterways ..	5	1	0	367	...	36·90	...	...
D Elford	Trent River Board ..	5	1	0	183	...	30·25	190	140
D Hednesford (Pye Green)	R. A. Robertson, Esq., C.E.	5	1	0	768	...	36·86	214	159
D Lichfield (Hanch Reservoir)	R. A. Robertson, Esq., C.E.	5	1	0	259	26·9	31·37	223	144
D Alrewas (C. E. School)	Headmaster ..	5	2	6	200	...	32·16	199	146
D Rugeley (Slitting Mill)	R. A. Robertson, Esq., C.E.	5	1	0	299	...	33·58	209	147
D Rugeley (Brindley Bank)	R. A. Robertson, Esq., C.E.	5	1	0	254	26·6	30·32	213	153
D Milford (Waterworks)	G. J. Plant, Esq. ..	5	1	0	246	27·5	36·77	220	153
D Stafford (Newport Road)	Dr. J. C. Burne ..	5	1	0	250	...	35·97	215	157
D Stafford (Victoria Pleasure Ground) ..	G. J. Plant, Esq. ..	5	1	6	245	27·2	34·42	225	153
D Yarlet Hall	K. E. Tarling, Esq. ..	5	1	0	405	...	36·65	192	154
D STONE (Cold Norton Farm)	Animal Breeding Res. Org.	5	1	0	350	...	36·33	215	150
D Standon (Hatton Waterworks)	G. V. Brown, Esq., C.E. ..	5	1	0	355	29·0	38·87	206	168
d Whitmore (Pumping Station)	British Railways ..	5	1	3	396	...	37·03	...	...
D KEELE (Univ. Coll. of North Staffs)(+A) ..	Prof. S. H. Beaver, M.A. ..	5	1	0	587	...	40·68	227	176
D Hanley (Etruria)	Shelton Iron, Steel & Coal Co., Ltd. ..	5	1	0	423	...	43·67	225	188
4.—TRENT. Left Bank Tributaries. 193 sq. mi.									
w Hamstall Ridware (No. 1)	R. A. Robertson, Esq., C.E.	5	1	0	214	24·3	30·98	...	...
w Hamstall Ridware (No. 2)	R. A. Robertson, Esq., C.E.	5	1	0	240	25·4	31·97	...	...
D Mavesyn Ridware Rectory	Rev. W. F. Need ..	5	1	0	229	...	33·12	215	153
D Burton Reservoir	R. A. Robertson, Esq., C.E.	5	1	0	309	25·1	30·31	197	142
D Burton (Shobnall)	Bass, Ratcliff & Bretton, Ltd.	5	1	0	157	24·6	29·01	207	139
D Burton-on-Trent (Outwoods)	R. A. Robertson, Esq., C.E.	5	1	0	310	26·1	31·14	201	148
D Burton (Outwoods Hospital)	Medical Officer of Health ..	5	1	0	220	25·9	31·99	227	145
D Blithfield Reservoir	R. A. Robertson, Esq., C.E.	5	1	0	273	...	34·87	213	160
w Abbots Bromley (Port Fields)	R. A. Robertson, Esq., C.E.	5	1	0	316	27·5	34·10	...	...
M Newton (Booth)	R. A. Robertson, Esq., C.E.	5	1	0	360	27·8	36·54	...	...
M Kingston	R. A. Robertson, Esq., C.E.	5	1	0	420	...	(37·03)	...	...
M Gratwich (Caverswall Farm)	R. A. Robertson, Esq., C.E.	5	1	0	381	29·8	38·08	...	...
M Gratwich (Fradswell)	R. A. Robertson, Esq., C.E.	5	1	0	450	...	39·06	...	...
M Leigh (Middleton Green)	R. A. Robertson, Esq., C.E.	5	1	0	597	31·8	41·24	...	...
M Leigh (Lane Farm)	R. A. Robertson, Esq., C.E.	5	1	0	500	30·9	40·22	...	...
M Fulford Manor	R. A. Robertson, Esq., C.E.	5	1	0	710	31·0	41·57	...	...
D §Draycott (Cresswell Pumping Station) ..	C. V. Brown, Esq., C.E. ..	5	1	0	538	...	43·00	241	169
D Longton (The Meir)	C. V. Brown, Esq. C.E. ..	5	1	0	617	...	44·21	232	176
M Caverswall (Hardwick Farm)	R. A. Robertson, Esq., C.E.	5	1	0	810	32·1	43·82	...	...
M Longton (Hulme)	R. A. Robertson, Esq., C.E.	5	1	0	710	32·3	46·66	...	...
D Hanley (Sewage Works)	W. H. Makepeace, Esq. ..	5	1	0	386	...	41·21	220	167
D Werrington (Wallmires Pumping Stn.) ..	Cheadle R.D.C. ..	5	1	0	761	34·6	47·41	246	191
5.—TRENT. Dove. 250 sq. mi.									
D Uttoxeter	C. H. Elkes & Sons, Ltd. ..	5	1	0	295	29·7	37·40	210	163
M Dilhorne (Richmoor Hill)	R. A. Robertson, Esq., C.E.	5	1	0	919	34·1	47·97	...	...
D Leek (Wall Grange Pumping Stn.)	C. V. Brown, Esq. C.E. ..	5	1	0	456	34·7	43·69	229	180

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
STAFFORDSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
5.—TRENT. Dove—(contd.)									
D Leek (Westwood Park Avenue)	.. S. K. Peacock, Esq.	5	1	0	550	...	49·35	224	190
d Leek (Moorhill)	 Lt.-Col. G. J. Worthington	5	1	0	680	37·2	52·95	250	207
D Leek (Tittesworth)	 C. V. Brown, Esq., C.E.	5	1	0	657	38·1	52·34	235	194
M Leek (Withens, Upper Hulme)	.. J. A. Gilchrist, Esq.	5	1	1	1084	39·0	49·92	...	...
WORCESTERSHIRE. (Area, 732 sq. mi.)									
1.—SEVERN. Right Bank Tributaries. 222 sq. mi.									
D Upton-on-Severn (Berryfield House)	.. Dr. W. V. Naish	5	1	0	50	...	28·44	174	136
D Malvern (British Camp Reservoir)	.. Malvern U.D.C.	5	1	0	677	28·5	29·11	169	126
D MALVERN (Free Library)	 Malvern U.D.C.	5	1	0	380	27·6	31·78	194	136
D West Malvern	 Malvern U.D.C.	5	1	0	832	28·9	32·36	189	142
D Worcester (Diglis Lock)	 British Waterways	5	0	7	48	24·7	27·75	187	137
d Shelsley Beauchamp	 W. Lionel Moore, Esq.	5	0	9	132	...	30·06	156	123
d Ombersley (Holt Lock)	 British Waterways	5	1	0	55	25·3	27·68	194	121
D Tenbury (Belle Vue)	 Miss M. M. Lowe	5	1	0	315	26·3	33·56	200	138
D Bewdley (Ribbesford)	 Camp Superintendent	5	1	0	516	...	33·56	230	141
2.—SEVERN. Left Bank Tributaries. 200 sq. mi.									
D WORCESTER (REDHILL)	 Worcester A.E.C.	5	1	0	190	...	27·68	188	124
D Worcester (Waterworks)	 City Engineer	5	1	0	57	23·2	26·98	202	125
D Worcester (Samuel Southall School)	.. Headmaster	5	1	0	147	...	25·64	181	120
D Worcester (Bevere Lock)	 British Waterways	5	1	0	51	24·5	28·53	186	146
D DROITWICH (Sewage Works)	 Boro. Engineer & Surveyor	5	1	0	106	25·4	26·78	186	123
D Bromsgrove (Tardebigge Reservoir)	.. British Waterways	5	1	0	455	27·5	34·94	212	173
D Bromsgrove (Sewage Disposal Works)	.. Bromsgrove U.D.C.	5	1	0	220	...	30·38	189	144
D Bromsgrove (Burcot Pumping Stn.)	.. F. H. Bullock, Esq.	5	1	0	432	...	31·47	199	146
D Barnt Green (Linthurst Road)	.. Miss M. Gibbins	5	1	0	650	...	38·10	211	159
D Stourport (Lincombe Lock)	 British Waterways	5	1	0	62	25·6	29·70	167	132
D Bromsgrove (Washing Stocks P. S.)	.. F. H. Bullock, Esq.	5	1	0	366	...	32·56	201	151
D Bewdley (C.E. School)	 P. H. Pritchard, Esq.	8	1	5	70	26·4	32·40	202	128
D Kidderminster (St. John's Avenue)	.. H. Hodgkinson, Esq.	5	1	0	250	...	31·57	181	129
D Kidderminster (Park Hall)	.. K. H. Wilson, Esq.	5	1	0	200	25·7	32·57	211	149
d Kidderminster (Wolverley Road)	.. R. D. M. Evers, Esq.	5	1	3	245	...	30·36	...	...
D Bewdley (Elan Aqueduct)	.. C. A. Risbridger, Esq., C.E.	5	1	0	91	26·7	31·83	209	148
D Clent Hall	 Miss H. M. Wilson	5	1	0	600	...	34·10	230	164
d Wolverley (Hill House)	.. J. C. Wilson, Esq.	5	1	0	250	...	33·65	...	...
D Halesowen (Romsley)	 R. A. Robertson, Esq., C.E.	5	1	0	616	30·6	42·67	192	157
D Halesowen (Hayley Green)	.. C. Roberts, Esq.	5	1	0	509	...	37·63	205	164
D Pedmore (Beckman Road)	.. A. Porter, Esq., B.Sc.	5	1	0	415	26·5	32·48	209	142
D Stourbridge (Pumping Station)	.. Stourbridge Drainage Board	8	1	0	212	27·1	38·69	211	156
D Wollaston (Wood Street)	.. H. Little, Esq.	5	1	0	275	...	31·87	205	137
D Wollaston (Coalburn Pumping Stn.)	.. J. S. Brown, Esq., M.I.Mun.E.	5	1	0	225	...	32·60	208	144
d Dudley (Blue Coat Sec. Mod. School)	.. S. Wright, Esq.	5	1	3	660	...	38·04	...	...
3.—SEVERN. Upper Avon. 251 sq. mi.									
D Bredon (Bredon House)	 Col. M. F. Grant	5	1	1	120	24·5	27·87	188	138
d Broadway (Farncombe)	 G. Pemberton, Esq.	5	0	5	750	27·5	29·45	...	...
D Evesham (Bengeworth)	 Ross Bros., Ltd.	5	1	0	128	22·9	26·74	173	130
D Evesham (Bretforton Manor)	.. H. Ashwin, Esq.	5	1	0	130	24·5	29·64	200	145
d Evesham (Sewage Works)	 Borough Surveyor	5	1	9	85	22·6	27·45	...	131
D Evesham (High Street)	 N. A. Field, Esq.	5	1	2	120	23·1	27·49	194	140

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WORCESTERSHIRE—(contd.)									
3.—SEVERN. Upper Avon—(contd.)									
d Evesham (Port Street)	W. J. Craven & Co. Ltd. ..	5	1	0	72	23·2	28·46	...	...
d Pershore (Inst. of Horticulture) ..	Principal	5	0	9	120	...	28·13	193	129
d Pershore (Three Springs)	C. A. Mumford, Esq. ..	5	4	6	72	23·4	27·44	...	...
d Crowle (Manor House)	Miss C. Moore	5	1	0	116	23·1	25·91	170	120
d Alcester (Cookhill)	T. Barber, Esq.	5	1	0	400	24·5	32·24	203	...
d Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1	0	469	27·7	33·93	206	164
d Bromsgrove (Brockhill Pumping Stn.)	F. H. Bullock, Esq. ..	5	1	0	439	...	34·74	195	146
d Bromsgrove (Lower Bittall Reservoir)	British Waterways	5	1	0	457	28·9	36·13	210	162
4.—THAMES. Windrush & c. 3 sq. mi.									
5.—TRENT. Right Bank Tributaries. 56 sq. mi.									
d Oldbury (Barnford Hill Park) ..	Borough Surveyor	5	0	9	607	...	36·71	204	148
d Dudley (Tipton Road)	Borough Engineer	8	1	0	490	...	32·71	220	148
d Dudley (Shavers End)	R. A. Robertson, Esq., C.E.	5	1	0	745	...	33·99	208	155
WARWICKSHIRE. (Area, 944 sq. mi.)									
1.—SEVERN. Upper Avon. 640 sq. mi.									
d Long Compton (Weston Park) ..	Mrs. H. B. Warriner ..	8	1	0	510	26·5	29·83	...	156
d SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq. ..	5	1	0	364	24·7	31·05	211	143
d ||Tredington	Mrs. N. H. Walton ..	5	1	0	300	...	27·50	...	130
d Bidford on Avon (Bowood)	A. H. Brunwin, Esq. ..	5	0	8	200	...	31·05	196	146
d LUDDINGTON	Farm Director	5	1	0	138	...	27·61	209	141
d STRATFORD-ON-AVON (Drayton Manor)	Director, Grassland Imp. Stn.	5	1	0	150	23·7	28·51	181	144
d Stratford-on-Avon (Milcote)	P. C. Smart, Esq., C.E. ..	5	1	6	122	23·6	28·46	200	144
d Stratford-on-Avon (Thurlaston) ..	Miss M. A. Everard ..	5	1	0	135	24·2	30·21	235	149
d MORETON MORRELL	Institute of Agriculture ..	5	1	0	279	...	29·57	212	134
d Bidford (Moor Hall)	Miss M. R. Cubberley ..	5	1	0	200	24·0	28·78	174	142
d WELLESBOURNE	Director (Nat. Veg. Res. Stn.)	5	1	0	153	...	29·51	201	141
d Alcester (Surveyor's Office)	Alcester R.D.C.	8	1	6	140	24·5	29·30	156	135
d Alcester (Arrowside)	J. B. Shewell, Esq. ..	5	1	4	148	...	27·56	194	134
d Ashorne (Victoria Cottage)	G. T. Osborn, Esq. ..	5	1	0	150	24·7	28·28	194	138
d Stratford-on-Avon (Snitterfield) ..	P. C. Smart, Esq., C.E. ..	5	1	6	274	25·2	30·10	205	143
d Alcester (The Pleck)	Miss C. E. Chapman ..	5	0	10	250	24·4	29·81	194	136
d Southam (Banbury Road)	C. W. Arkell, Esq. ..	5	1	0	250	24·9	29·59	207	140
d Studley (Watts Road)	P. J. Harris, Esq. ..	5	1	0	250	...	30·53	214	142
d Studley College	Headmistress	5	0	9	256	25·1	27·81	201	140
d Warwick (Mill Street)	Mr. H. F. Smale	5	1	0	197	25·3	31·07	209	142
d Warwick (St. Nicholas Park)	R. Wormell, Esq., C.E. ..	5	1	0	155	...	30·76	203	148
d LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health ..	8	1	0	163	24·0	29·63	210	144
d Warwick (Hatton)	British Waterways ..	5	1	0	400	26·7	33·28	...	146
d Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq. ..	8	1	0	200	25·3	31·19	194	141
d Dunchurch Hall	C. L. D. Fawcus, Esq. ..	5	1	1	400	24·6	29·57	188	149
d Kenilworth (U.D.C. Offices)	Surveyor	5	1	6	294	...	32·81	206	144
d Stretton-on-Dunsmore (Manor House)	Sir L. Lister-Kaye, Bt. ..	5	1	0	280	26·1	30·47	196	143
d Rugby (Bilton Grange)	Mr. L. W. Bass	5	1	0	400	25·0	29·02	197	151
d Rugby (Avon Waterworks)	Borough Engineer	5	0	8	285	24·2	30·62	208	150
d Coventry (Whitley Pumping Station)	City Engineer, Coventry ..	8	1	0	238	...	30·48	198	139
d Coventry (Stoke)	E. H. Hodgkins, Esq. ..	5	1	0	267	24·8	31·40	...	140
d COVENTRY (City Hospital)	Medical Officer of Health ..	8	1	0	241	26·0	30·50	197	140
d Coventry (Belvedere Road)	H. G. Ellinger, Esq. ..	5	1	0	362	...	32·28	...	...
d Nuneaton (Bedworth Waterworks)	Waterworks Manager ..	5	1	1	346	27·1	28·42	198	136
d Astley Vicarage	Rev. I. F. H. Carr-Gregg ..	5	1	0	440	27·8	32·42	...	...

|| Gauge over-sheltered.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
WARWICKSHIRE—(contd.)		in.	ft.	in.	ft.	in.	in.		
2.—THAMES. Windrush & c. 2 sq. mi.									
3.—THAMES. Cherwell. 15 sq. mi.									
4.—TRENT. Right Bank Tributaries. 287 sq. mi.									
D Coventry (Balsall Common)	W. F. E. Seeley, Esq. ..	5	1	8	385	27·1	31·42	198	149
d Hampton in Arden (Eastcote)	J. H. Aston, Esq. ..	8	1	2	500	...	34·57	...	133
D Highters Heath Reservoir	C. A. Risbridger, Esq., C.E.	5	1	0	517	...	34·93	217	160
D Solihull (Station Road)	Engineer & Surveyor ..	5	1	0	424	...	32·58	198	147
D Halesowen (Frankley)	C. A. Risbridger, Esq., C.E.	5	0	10	571	30·7	32·48	210	153
D Northfield (Bartley Reservoir No. 1)	C. A. Risbridger, Esq., C.E.	5	1	0	600	...	38·57	219	158
D Bartley (Bromwich Wood)	C. A. Risbridger, Esq., C.E.	5	1	0	611	...	38·00	219	157
D BIRMINGHAM (SPARKHILL)	D. H. Owen, Esq. ..	5	1	0	425	28·1	34·30	218	157
D ELMDON (Birmingham Airport) (+A)	Meteorological Office ..	5	0	11	324	25·2	30·48	207	139
D EDGBASTON (King Edwards School) ..	Meteorological Observer ..	5	1	0	450	...	33·27	211	145
D BIRMINGHAM (Edgbaston Observatory)	Birmingham & Midland Inst.	5	1	0	535	29·2	35·36	212	143
D Birmingham (Stetchford)	Birmingham Drainage Board	5	1	3	302	...	32·76	207	152
D Birmingham (Handsworth)	D. M. Evans, Esq., F.R.Met.S.	5	1	0	469	...	34·69	215	146
D Birmingham (Saltley Sewage Works)	Birmingham Drainage Board	5	1	0	292	...	33·51	196	155
D Birmingham (Handsworth Park) (+A)	City Engineer & Surveyor	8	1	4	424	...	35·38	206	148
D Handsworth (Howard Road)	R. Westwood, Esq. ..	5	0	9	368	...	33·00	204	141
D Coleshill Works	Birmingham Drainage Board	5	1	0	238	...	31·39	218	146
D Whitacre (Birmingham Waterworks)	C. A. Risbridger, Esq., C.E.	5	1	0	269	26·0	31·25	224	144
D Whitacre (Station Road)	T. C. Lycett, Esq. ..	5	1	0	233	...	29·65	197	131
D Birmingham (Erdington)	C. A. Risbridger, Esq., C.E.	5	1	0	442	...	33·20	235	147
D B'gham (Erdington, Spring La.) (+A)	City Engineer & Surveyor	8	1	0	386	...	32·78	211	142
D Minworth Greaves	Birmingham Drainage Board	5	1	0	258	24·3	30·20	209	146
D Nuneaton (Pumping Station)	G. Ashton, Esq., C.E. ..	5	1	3	269	...	32·33	201	147
d Sutton Coldfield (Maney)	J. S. Matthewman, Esq. ..	5	0	9	400	...	34·73	204	144
D Perry Barr Reservoir	C. A. Risbridger, Esq., C.E.	5	1	0	515	...	35·00	212	159
D Nuneaton (Hartshill Sewage Works) ..	G. Ashton, Esq., C.E. ..	5	1	2	288	...	30·31	183	140
D Hartshill (Maintenance Depot)	British Waterways ..	5	3	0	304	...	29·63	174	132
D Sutton Coldfield (The Park)	Borough Surveyor ..	5	1	0	370	26·4	32·77	194	148

DIVISION VII—NORTH MIDLAND COUNTIES

LEICESTERSHIRE. (Area, 824 sq. mi.)

1.—SEVERN. Upper Avon. 41 sq. mi.									
D South Kilworth (Stanford Reservoir)	Borough Engineer ..	5	0	8	367	26·5	34·18	239	153
D Welford Reservoir	British Waterways ..	5	2	0	425	25·1	33·85	242	159
d North Kilworth (Waterworks)	Market Harborough U.D.C.	5	1	0	490	...	31·57	...	146
d Lutterworth (Waterworks)	Surveyor ..	8	1	9	365	25·9	32·13	...	141
2.—WELLAND. 96 sq. mi.									
d Market Harborough (Nithsdale Ave.)	Mrs. Heggs ..	5	1	2	230	...	31·75	...	136
D Market Harborough (Coventry Road)	G. C. Wooldridge, Esq. ..	5	1	0	270	...	29·41	212	133
D Market Harborough (Grammar Sch.)	Headmaster ..	5	1	2	345	...	28·93	189	129
D Kibworth Harcourt	Major A. E. Briggs ..	8	1	2	408	...	30·17	191	158
D Caldecott (Eye Brook Reservoir) (+A)	Corby & District Water Co.	8	1	3	187	23·8	29·81	203	136
3.—WITHAM. 7 sq. mi.									

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LEICESTERSHIRE—(contd.)									
4.—TRENT. Right Bank Tributaries. 680 sq. mi.									
D Frolesworth	W. P. Widdowson, Esq. ..	5	1	0	370	25·3	31·17	232	151
D Hinckley (Bowling Green Road) ..	S. Webster, Esq. ..	5	1	0	400	26·2	31·49	194	150
D Wistow Hall Gardens	Lord Cottesloe, C.B. ..	5	1	0	309	23·6	28·95	170	141
D Countesthorpe (Wigston Sewage Fm.)	Surveyor	8	0	9	257	22·8	29·18	213	139
D Leicester (Stoughton Drive North) ..	M. Murray, Esq. ..	5	1	0	240	...	30·36	212	150
D ||Leicester (De Montfort Square) (+A)	City Engineer	5	1	0	250	...	27·80	193	144
D Leicester (Hinckley Road Nurseries) ..	E. A. Bonser, Esq. ..	5	1	0	212	...	29·22	202	141
D Leicester (Woodville Road)	E. A. Bonser, Esq. ..	5	1	0	200	...	29·19	212	141
D LEICESTER (TOWERS Hospital)	Management Committee ..	8	1	0	266	24·2	33·41	208	159
D Leicester (Gilroes Cemetery)	City Engineer	5	1	0	294	...	30·72	186	143
D Osbaston Hall	Sir Thomas Cope, Bart. ..	5	1	0	390	...	30·87	195	146
d Lowesby Hall Gardens	Head Gardener	5	0	9	500	26·3	29·02	...	138
D Thornton Reservoir	Leicester Waterworks ..	8	1	2	370	26·2	32·02	194	152
D Cropston Reservoir	Leicester Waterworks ..	8	1	0	245	27·2	34·82	214	158
D Barkby Hall	Victor R. Pochin, Esq. ..	5	1	0	227	24·5	28·81	181	136
D Ulverscroft (Chitterman House)	C. Booth, Esq.	5	0	11	666	...	35·89	227	155
D Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	5	1	0	240	...	31·59	198	149
D Swithland Reservoir	Leicester Waterworks ..	8	1	0	171	26·0	34·13	212	156
D Melton Mowbray (White Lodge)	H. K. Barker, Esq. ..	5	1	0	237	22·9	32·71	193	160
D Charnwood Forest (Blackbrook Res.) ..	W. Granger, Esq., C.E. ..	5	1	0	379	26·4	35·48	199	164
D Loughborough (Nanpantan Res.)(+A)	W. Granger, Esq., C.E. ..	5	1	0	269	26·1	34·60	192	138
D Loughborough (Fairmount Drive)	B. N. Wale, Esq., B.Sc. ..	5	1	0	210	...	30·77	194	131
D Loughborough (Sewage Farm)	W. Granger, Esq., C.E. ..	8	1	0	135	23·1	32·14	171	133
D Scalford	Melton Mowbray U.D.C. ..	8	0	10	343	...	36·88	...	...
D Waltham-on-the-Wolds	V. E. Higgins, Esq. ..	5	1	1	570	...	32·51	209	147
RUTLAND. (Area, 152 sq. mi.)									
1.—WELLAND. 125 sq. mi.									
d Uppingham (Seaton Mill)	Welland River Board ..	5	0	11	150	...	29·88	...	141
D Ketton	Mrs. K. Burroughes ..	5	1	0	106	...	29·91	209	148
D Oakham School	R. G. Henton, Esq. ..	5	0	10	350	...	31·75	213	143
D Oakham	County Agric. Committee*	5	0	11	350	...	30·35	201	143
D COTTESMORE Airfield (+A)	Meteorological Office ..	5	1	0	440	...	31·97	200	145
2.—WITHAM. 5 sq. mi.									
3.—TRENT. Right Bank Tributaries. 22 sq. mi.									
LINCOLNSHIRE. (Area, 2,645 sq. mi.)									
1.—NENE. 99 sq. mi.									
D Tydd (North Level Sluice)	Mr. S. Watson	5	1	0	10	23·3	31·80	228	146
D Sutton St. James (Clifton's Bridge) ..	S. Holland Drainage Board	5	1	0	8	...	22·73	152	129
D Sutton Bridge	S. Holland Drainage Board	5	1	0	21	...	29·97	193	167
d Sutton Bridge (Wingland Grange)	A. H. Cooke, Esq. ..	5	1	0	12	...	28·21	...	...
D Spalding (Weston St. Mary)	S. Holland Drainage Board	5	1	0	10	...	27·16	166	140
2.—WELLAND. 341 sq. mi.									
Stamford (St. George's Square)	Dr. E. C. Till	5	1	0	90	...	29·11	156	138
D Market Deeping (Wilsthorpe)	F. J. Smith, Esq., M.B.E., C.E.	8	1	0	51	20·9	26·86	180	119
D Deeping St. Nicholas	T. R. Pick, Ltd.	5	0	9	13	...	28·98	183	149
d Careby (School House)	R. Barbary, Esq.	5	1	0	158	...	27·74	181	129

* Per Welland River Board.

|| Gauge over-sheltered.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.)									
2.—WELLAND—(contd.)									
D Spalding (Pode Hole)	S. Holland Drainage Board	8	1	3	12	23·5	29·41	226	145
d Spalding (Grammar School)	Headmaster	5	1	0	13	...	27·36	172	137
D Bourne (Guthram)	L. I. Clark, Esq., C.E. ..	5	1	0	15	...	28·35	175	142
d Whaplode (Irby Hall Farm)	T. R. Pick, Ltd.	5	0	10	11	...	25·14	...	...
D Holbeach (Manor Farm)	F. H. Bowser, Esq. ...	5	1	0	10	...	29·13	183	137
D Holbeach (Willow Tree Farm) ..	F. H. Bowser, Esq. ..	5	2	1	10	...	26·50	173	134
d Corby (Irnham Hall)	Welland River Board ..	5	1	0	200	...	29·57	...	140
3.—WITHAM & C. 1,085 sq. mi.									
D Denton	Culverthorpe Dairy Farms	5	1	6	300	...	31·73	172	138
D Billingborough	N. Hodgkinson, Esq. ..	5	0	10	50	...	28·01	177	121
D Grantham (Saltersford Pump Stn.) ..	Manager	5	0	6	188	24·1	31·42	203	141
D Kirton	W. Dennis & Sons, Ltd. ..	5	1	0	12	...	26·75	196	138
D Culverthorpe Hall	Lt.-Col. F. E. S. Bowlby, M.C.	5	1	2	116	...	27·15	153	129
D Wyberton (Tytton Hall)	L. I. Clark, Esq., C.E. ..	5	1	0	10	...	29·19	200	144
D Wyberton (Slippery Gowt Farm) ..	J. T. Cannon, Esq. ...	5	1	0	10	...	28·02	156	142
D Boston (Black Sluice, Skirbeck) ..	F. H. Tomes, Esq. ..	8	1	3	11	22·8	27·59	197	136
D Boston (Cooks Lock)	L. I. Clark, Esq., C.E. ..	5	1	6	11	...	28·40	199	139
D Boston (Church Road Pump. Stn.) (+A)	Borough Surveyor ..	5	1	0	8	...	28·04	180	133
D Boston (Freiston Road)	N. H. Middlebrook, Esq. ..	5	1	0	16	...	28·46	197	139
D Boston (Grand Sluice)	F. H. Tomes, Esq. ..	8	0	9	17	22·9	28·06	190	136
D Boston (Cowbridge)	G. E. Buchner, Esq., C.E. ..	5	1	0	9	...	25·82	189	132
D Old Leake (Leverton)	G. E. Buchner, Esq., C.E. ..	5	1	3	10	...	28·19	169	138
D CRANWELL Airfield (+A)	Meteorological Office ..	8	1	0	203	23·2	26·95	189	134
d Carrington (Hakerley Bridge Farm) ..	T. R. Pick, Ltd. ..	5	1	0	12	...	24·66	...	118
d Ruskington	B. E. Brighton, Esq. ..	5	1	7	30	...	22·44	...	128
D Sibsey (Main Road)	T. H. Allewell, Esq. ..	5	1	0	20	...	27·50	191	132
D New Leake (Lade Bank Engine) ..	G. E. Buchner, Esq., C.E. ..	5	1	3	13	22·6	26·22	179	136
D Carrington Grange	J. Ward, Esq. ..	5	4	0	15	23·4	30·03	177	152
Wellingore (The Gardens)	A. Calder, Esq. ..	5	2	0	240	...	27·03	...	...
d Norton Disney (The Vicarage) ..	Rev. R. K. Roper ..	5	1	0	41	...	26·15	...	113
D East Kirkby Manor	Capt. R. S. Fieldsend ..	5	1	0	35	23·8	27·74	193	145
D Revesby Reservoir	D. H. Ball, Esq. ..	5	2	0	124	24·5	29·76	190	139
d Woodhall Spa (Waterworks) ..	Clerk to the Council ..	5	1	6	45	...	27·03	...	131
D Potterhanworth (Old Hall) ..	T. H. N. Battle, Esq. ..	5	0	10	50	...	31·03	209	148
D Horncastle	F. J. Harvey, Esq. ..	5	1	0	120	24·8	28·55	189	139
D Lincoln (Swallowbeck)	W. R. Pennell, Esq. ..	8	1	0	34	22·9	28·20	191	130
D Lincoln (Boultham Pumping Station)	J. Barnatt, Esq., C.E. ..	5	1	6	18	...	27·55	200	136
D Bardney (Sugar Factory)	British Sugar Corp., Ltd. ..	5	1	0	17	...	27·31	180	128
D Lincoln (Skellingthorpe Hall) ..	Mrs. Bergne-Coupland ..	5	1	0	40	23·1	26·93	183	135
D LINCOLN (West Common) (+A)	City Engineer & Surveyor ..	5	1	0	25	...	28·38	201	139
D Lincoln (Burton Road)	G. W. Valley, Esq. ...	5	1	6	250	...	29·27	185	134
D Lincoln (Saxilby)	J. Barnatt, Esq., C.E. ..	5	1	6	25	...	29·08	193	139
D Dunholme (Field Station)	Dr. R. Hull	5	0	9	100	...	29·83	193	137
D SCAMPTON Airfield (+A)	Meteorological Office ..	5	1	0	186	...	29·14	192	136
D Hackthorn Hall	Lt.-Col. W. Cracroft-Amcotts	5	4	10	102	23·2	32·03	214	146
4.—GREAT EAU & C. 443 sq. mi.									
d Eastville	G. E. Buchner, Esq., C.E. ..	5	1	3	3	...	26·80	...	128
D Firsby	G. E. Buchner, Esq., C.E. ..	5	1	0	26	...	28·11	186	132
D SKEGNESS (Marine Gardens)	Surveyor	5	1	0	15	23·3	24·70	169	123
D Hagworthingham (Manor House) ..	G. W. Clark, Esq. ..	5	1	0	200	27·2	28·27	201	134
D Spilsby (Fordington Waterworks) ..	D. H. Ball, Esq. ..	5	1	6	180	...	30·20	188	144
D MANBY Airfield (+A)	Meteorological Office ..	5	1	0	55	...	25·39	184	117
D Wold Newton Manor	W. Maurice Wright, Esq. ..	5	1	6	230	27·2	31·57	205	144

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.)									
4.—GREAT EAU & C.—(contd.)									
d Grainthorpe (County School) ..	Headmaster ..	5	1	0	9	...	26·15	188	131
d North Cotes ..	Raymond Caudwell, Ltd.	5	1	0	10	...	26·17	165	113
5.—HUMBER. Right Bank Tributaries. 428 sq. mi.									
d Claxby (Osgodby) ..	Lincolnshire River Board ..	5	1	0	70	...	30·03	202	131
d Brigg (Scawby Hall) ..	Col. O. S. Nelthorpe, C.B.E.	5	1	0	40	...	29·80	171	135
d Brigg (Sugar Factory) ..	British Sugar Corpn. Ltd. ..	5	1	0	134	...	28·78	201	131
d Brigg (Wrawby Road) ..	A. R. Haynes, Esq. ..	5	1	1	22	24·8	28·58	186	136
d Cleethorpes (Outfall Pumping Stn.) ..	Borough Engineer ..	8	1	0	25	...	25·84	181	129
d Cleethorpes (Sydney Park) ..	Borough Engineer ..	8	1	0	11	...	24·95	201	149
d CLEETHORPES (Kings Parade) ..	Borough Engineer ..	5	1	0	23	24·0	27·08	172	121
d Grimsby (Little Coates Pumping Stn.) ..	Engineer & Manager ..	5	1	0	14	...	30·31	194	137
d Brocklesby Park ..	Head Gardener ..	5	1	9	50	27·0	30·90	183	142
d Immingham (Compressor Station) ..	Grimsby R.D.C. ..	5	1	1	13	...	27·17	175	136
d Normanby ..	Major E. C. R. Sheffield ..	5	1	0	185	...	31·91	191	142
d Ferriby Sluice ..	K. Straw, Esq. ..	5	1	0	18	24·5	28·92	169	128
6.—TRENT. Right Bank Tributaries. 172 sq. mi.									
d Woolsthorpe ..	British Waterways ..	5	1	3	182	23·4	30·94	...	...
d Torksey (Pumping Station) ..	R. Spencer, Esq. ..	8	1	6	16	23·2	29·58	196	136
d Gate Burton Hall ..	Mr. J. Reader ..	5	4	0	97	23·1	29·61	...	123
7.—TRENT. Left Bank Tributaries. 77 sq. mi.									
d Wroot (S. Level Pumping Station) ..	Trent River Board ..	5	1	6	7	...	27·13	161	129
d West Butterwick (Croft House) ..	West Butterwick Drain. Bd.	5	1	0	20	...	30·64	172	137
d Crowle (N. Level Pumping Station) ..	Trent River Board ..	5	2	0	10	22·0	25·79	163	126
d Keadby (Pumping Station) ..	Trent River Board ..	5	1	0	20	...	28·76	191	131
NOTTINGHAMSHIRE. (Area, 843 sq. mi.)									
1.—WITHAM. 10 sq. mi.									
2.—TRENT. Right Bank Tributaries. 218 sq. mi.									
d SUTTON BONNINGTON ..	Univ. of Nottingham, Sc. of Ag.	5	1	0	157	21·7	27·65	209	131
d Kegworth (Kingston Hall) ..	Lord Belper ..	5	1	0	130	...	30·56	190	139
d Nottingham (Wilford Hill Reservoir) ..	B. W. Davies, Esq., C.E. ..	8	1	0	295	23·1	28·51	...	...
d Cotgrave Reservoir ..	B. W. Davies, Esq., C.E. ..	8	1	0	317	...	26·55	...	...
d West Bridgford ..	Engineer & Surveyor ..	5	1	0	80	...	28·45	...	110
d Newark (The Friary) ..	W. P. Shewell, Esq., C.E. ..	5	2	0	48	23·4	30·79	197	139
d Kelham (Sugar Factory) ..	British Sugar Corpn. Ltd.	5	1	0	40	...	28·08	...	123
3.—TRENT. Derwent. 2 sq. mi.									
4.—TRENT. Erewash. 42 sq. mi.									
d Nottingham (Strelley) ..	Miss Edge ..	8	1	0	396	26·2	32·75	212	143
d Nottingham (STRELLEY Hall) ..	Miss Edge ..	5	1	0	378	...	32·24	210	141
d Eastwood (Waterworks) ..	B. W. Davies, Esq., C.E. ..	8	1	3	243	25·9	35·47	213	160
d Eastwood Hall ..	National Coal Board ..	5	0	6	218	...	33·95	...	...
d Eastwood (Moorgreen Reservoir) ..	British Waterways ..	5	2	0	301	27·4	34·89	179	138
5.—TRENT. Left Bank Tributaries. 569 sq. mi.									
d Beeston (Standards Laboratory) ..	Boots Pure Drug Co. ..	5	1	6	85	...	28·71	...	...
d Beeston (Council Depot) ..	G. C. Hardy, Esq. ..	8	1	7	97	24·5	28·29	174	135
d Beeston (Bramcote Drive) ..	H. E. Sansom, Esq. ..	5	0	10	149	...	31·29	208	144

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
NOTTINGHAMSHIRE—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
5.—TRENT. Left Bank Tributaries—(contd.)									
d Bramcote Reservoir	B. W. Davies, Esq., C.E. ..	8	1	0	327	...	30·06	209	145
D Lenton (Experimental Station) ..	Boots Pure Drug Co. ..	5	1	0	160	...	28·98	205	144
D Nottingham (Sneinton Pump.Stn.)(+A)	City Engineer & Surveyor ..	8	1	0	83	22·5	28·31	197	142
D ||NOTTINGHAM (The Castle)	City Engineer & Surveyor ..	8	1	0	192	23·6	28·77	182	145
d Nottingham (Colwick Sugar Factory)	British Sugar Corp'n. Ltd. ..	5	0	9	70	...	29·29	...	...
d Nottingham (Colwick Hill Reservoir)	B. W. Davies, Esq., C.E. ..	8	1	0	314	...	29·64	...	...
d Nottingham (Stoke Bardolph) ..	City Engineer & Surveyor ..	8	1	0	66	22·6	29·80	200	140
d Nottingham (Aspley)	G. Cawkwell, Esq. ..	5	1	0	172	...	32·54	...	...
D Nottingham (Bassford Waterworks) ..	B. W. Davies, Esq., C.E. ..	8	1	0	168	24·0	33·07	201	145
D Burton Joyce (Waterworks)	B. W. Davies, Esq., C.E. ..	8	1	0	65	25·2	30·40	211	139
D Nottingham (Woodthorpe)	A. B. Tinn, Esq., F.R.Met.S. ..	5	1	0	225	24·0	34·15	218	146
d Daybrook (Red Hill Reservoir) ..	B. W. Davies, Esq., C.E. ..	8	1	0	404	25·7	31·89	207	136
d Daybrook (Ramsdale Hill Reservoir)	B. W. Davies, Esq., C.E. ..	8	1	0	504	28·1	33·35	215	146
D Bulwell Hall Park	City Engineer & Surveyor ..	8	1	0	252	27·3	34·55	181	130
D WATNALL (+A)	Meteorological Office ..	5	1	0	366	26·9	33·88	204	138
D Papplewick (Waterworks)	B. W. Davies, Esq., C.E. ..	8	1	0	317	26·5	34·23	211	151
D Southwell (The Nurseries)	H. Merryweather & Sons Ltd. ..	5	1	0	125	...	33·51	208	143
d Blidworth (Silverland Farm)	G. H. Milner, Esq. ..	5	1	0	400	...	37·43	...	...
d Sutton-in-Ashfield (Rushley Pump.Stn.)	P. W. Berridge, Esq. ..	5	1	0	425	27·1	36·94	...	142
D Sutton-in-Ashfield (Sewage Wks.)(+A)	A. G. Dunks, Esq. ..	5	1	0	455	28·9	34·83	223	151
D Mansfield (Rainworth Waterworks) ..	Engineer & Manager ..	5	0	9	349	26·8	33·37	201	145
D Bilsthorpe (Rufford Pumping Station)	B. W. Davies, Esq., C.E. ..	8	1	0	277	...	32·20	217	141
D MANSFIELD (Carr Bank)	Borough Surveyor ..	8	0	10	357	27·9	32·83	197	145
D Clipstone (Waterworks)	Engineer & Manager ..	8	1	0	228	24·9	33·10	215	150
d Edwinstowe (Laboratory)	National Coal Board ..	5	1	0	215	...	30·27	212	153
D Ollerton (Boughton Waterworks) ..	B. W. Davies, Esq., C.E. ..	8	1	0	141	24·0	31·89	200	141
D Budby (Pumping Station)	Engineer, Meden Valley W.W. ..	5	1	0	160	...	29·12	214	121
D WARSOP (GLEADTHORPE E.H. FARM) ..	Director ..	5	1	0	150	...	28·40	200	133
Tuxford (Lound Hall)	Mr. C. W. Holliday ..	5	1	3	50	...	29·14	...	...
D Welbeck Abbey	The Duke of Portland ..	5	1	0	196	...	29·68	205	136
d Elkesley (Pumping Station)	Lincoln Waterworks ..	5	1	0	120	23·2	28·41	167	122
D Worksop (Bracebridge Sewage Works)	C. O. Allsopp, Esq. ..	8	1	0	97	23·9	27·30	182	134
D Worksop (Osberton Gardens)	Capt. R. H. Walker ..	5	1	6	85	22·8	29·10	181	139
D Worksop (Sunnyside Waterworks) ..	C. O. Allsopp, Esq. ..	8	1	0	245	...	27·79	213	135
D Retford (Sir Frederick Milner School)	Headmaster ..	8	4	6	50	...	26·93	174	127
D Retford (Sewage Disposal Works) ..	Borough Surveyor ..	5	1	0	74	...	26·81	201	131
D Retford (Babworth Hall)	Maj.-Gen. Sir John Whitaker ..	5	1	3	98	22·9	29·64	186	133
D Worksop (Wigthorpe Hill)	R. C. P. Ramsden, Esq. ..	5	1	0	100	23·3	28·65	185	135
6.—OUSE. Don. 2 sq. mi.									
DERBYSHIRE. (Area, 1,017 sq. mi.)									
1.—MERSEY, UPPER. 93 sq. mi.									
M Buxton (Cat and Fiddle Inn)	Stockport Corporation W.W. ..	5	1	0	1610	53·7	69·02	...	...
M §Buxton (Berry Clough)	Stockport Corporation W.W. ..	5	1	0	1550	...	69·75	...	...
D §Buxton (Goytsclough)	Stockport Corporation W.W. ..	5	1	0	1175	52·8	72·30	247	223
D §Buxton (Goytshead)	Stockport Corporation W.W. ..	5	1	0	925	49·1	65·52	245	219
M §Buxton (Longhill)	Stockport Corporation W.W. ..	5	1	0	1390	48·8	67·66	...	...
M Buxton (Embridge)	Stockport Corporation W.W. ..	5	1	0	1430	48·9	67·60	...	...
D §Fernilee (Upper Hall)	Stockport Corporation W.W. ..	5	1	0	940	44·9	59·12	243	212
D §Taxal (Oldfield)	Stockport Corporation W.W. ..	5	1	0	820	45·4	61·78	246	209
M §Taxal (Blackhillgate)	Stockport Corporation W.W. ..	5	1	0	1190	43·5	58·73	...	...
D CHAPEL-EN-LE-FRITH	Ferodo Ltd. ..	5	1	0	728	...	57·14	240	200
D Chapel-en-le-Frith (Ford Hall)	F. E. G. Bagshawe, Esq. ..	5	0	5	900	...	53·49	239	206

|| Site unorthodox.

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
DERBYSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—MERSEY. Upper—(contd.)									
§Hayfield (Dimpus Clough)	Stockport Corporation W.W.	5	1	0	1250	46·9	54·50	...	...
§Hayfield (Upper Sett)	Stockport Corporation W.W.	5	1	0	1420	49·5	67·54	...	...
§Hayfield (Oaken Clough)	Stockport Corporation W.W.	5	1	0	1250	43·9	57·42	...	...
§Hayfield (Tunstead Clough)	Stockport Corporation W.W.	5	1	0	1125	43·3	59·71	...	...
§Hayfield (Red Brook)	Stockport Corporation W.W.	5	1	0	1950	56·8	76·49	...	...
§Hayfield (Kinder Source)	Stockport Corporation W.W.	5	1	0	2050	60·5	83·25	...	...
D §Hayfield (Kinder Filters) .. (+A)	Stockport Corporation W.W.	5	1	0	800	45·5	59·52	256	209
§Hayfield (Upper Moor)	Stockport Corporation W.W.	5	1	0	1280	49·0	68·67	...	...
D §Hayfield (Hollin Head)	Stockport Corporation W.W.	5	1	0	950	49·8	67·33	256	223
§Hayfield (Middle Moor)	Stockport Corporation W.W.	5	1	0	1170	45·7	63·86	...	...
Hayfield (Sandy Heys)	Stockport Corporation W.W.	5	1	0	2040	56·7	80·65	...	...
M §Hayfield (Mill Hill)	Stockport Corporation W.W.	5	1	0	1625	47·0	65·20	...	...
D Glossop Waterworks (Swineshaw) ..	Geo. Faulds, Esq., C.E.	5	3	0	733	43·2	57·40	239	208
M §Torside (Clough Edge)	Manchester Corp. W.W.	5	1	0	1452	50·9	71·81	...	...
M §Bleaklow Hill (Dowstone Rocks) ..	Manchester Corp. W.W.	5	1	0	1718	...	77·51	...	...
M §Bleaklow Hill (Far Black Clough) ..	Manchester Corp. W.W.	5	1	0	1683	56·7	73·08	...	...
2.—MERSEY. Weaver. 2 sq. mi.									
w Buxton (Portobello Bar)	Borough Engineer	8	1	0	1600	55·9	74·34	...	...
3.—TRENT. Right Bank Tributaries. 68 sq. mi.									
D Church Gresley (Maurice Lea Park) ..	Swadlincote U.D.C.	5	1	0	400	...	29·65	171	136
d Repton (Greenshot)	Miss M. W. Bromley	5	0	10	230	...	30·61	...	...
D Stanton-by-Bridge (Waterworks) ..	Long Eaton U.D.C.	8	1	2	144	24·2	34·01	219	140
4.—TRENT. Dove. 156 sq. mi.									
d Rodsley (Pumping Station)	Engineer	5	1	0	415	29·7	39·74	...	...
5.—TRENT. Left Bank Tributaries. 84 sq. mi.									
D SHARDLOW HALL	Provincial Director, N.A.A.S.	5	1	0	110	...	27·71	188	134
D Etwall (Blakeley Lodge)	C. H. Hawley, Esq.	5	1	4	189	24·1	30·32	187	136
D Etwall (Sewage Farm)	Boro. Engineer & Surveyor	5	1	8	201	25·2	31·73	210	146
D Mickleover (The Pastures Hospital) ..	Medical Superintendent ..	5	0	9	320	24·4	29·91	197	144
D Chesterfield (Whaley Well)	Late A. Boothman, Esq., C.E.	8	1	2	337	...	31·49	201	141
6.—TRENT. Derwent. 426 sq. mi.									
D Derby (Littleover Crescent)	M. Matthews, Esq.	5	1	0	230	...	30·03	215	133
D Spondon (Derby Sewage Works)	Borough Engineer, Derby ..	5	1	3	135	25·5	28·43	186	141
D Derby (Park Grove)	John Davis & Son, Ltd. ..	5	1	0	198	...	31·56	214	144
d Derby (Railway)	British Railways	5	1	0	156	25·1	30·89	...	...
D Derby (Royal Infirmary)	I. W. Owen, Esq.	5	1	0	211	26·3	32·88	194	138
D Derby (Markeaton Park)	Borough Engineer	5	1	6	190	...	34·54	205	143
D Breadsall Priory	E. S. Haslam, Esq.	5	1	6	370	...	33·25	186	146
D MORLEY (Derbyshire Farm Institute)	Warden	8	1	0	350	...	34·27	207	149
D Duffield (The Kirkstyles)	John Davis & Son, Ltd. ..	5	1	0	236	28·3	38·97	215	162
D BELPER (Herbert Strutt SCHOOL) ..	Headmaster	5	1	0	203	29·9	34·29	181	144
D Ambergate Reservoir	No. 61 Derwent Valley Water Bd.	5	1	0	646	...	45·79	194	156
D WIRKSWORTH (West End)	Alan D. G. Smith, Esq. ..	5	1	0	560	...	45·27	219	166
D Wirksworth (Wash Green)	Water Superintendent ..	5	1	0	738	...	41·84	180	150
D Whatstandwell (Meerbrook Sough) ..	Ilkeston & Heanor Water Bd.	5	1	0	245	33·6	42·61	212	152
D Brackenfield (Lindway Reservoir) ..	F. P. Walters, Esq.	8	1	6	595	31·9	42·57	216	161
M ||Higham (Higham Cliffe)	G. R. Jackson, Esq.	5	0	9	515	...	33·86	...	...
d Clay Cross (Press Reservoirs)	P. Hothersall, Esq., M.B.E.	8	1	0	810	31·7	36·14	...	152
D Chatsworth Gardens	Head Gardener	5	1	0	436	34·7	39·98	213	157
D Buxton (Stanley Moor)	Borough Engineer	8	1	0	1340	52·1	74·40	258	214

§ Turf wall round gauge.

|| Gauge over-sheltered.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
			Diam.	Height of		Ground		Rain-fall	Days with	Days with
				Rim above	Ground	above			·01 in. or more	·04 in. or more
				Ground	Sea Level					
			in.	ft.	in.	ft.	in.	in.		
DERBYSHIRE—(contd.)										
6.—TRENT. Derwent—(contd.)										
w	Buxton (Burbage Edge)	Borough Engineer	8	1	0	1400	52·8	69·96	...	...
D	Buxton (Ashwood Dale Sewage Works)	Manager	5	2	9	917	...	63·37	268	209
D	BUXTON (Terrace Slopes)	Town Clerk	8	1	0	1007	48·4	64·20	251	202
	Buxton (Green Fairfield)	No. 115 Derwent Valley Water Board	5	1	0	1120	...	61·51	...	...
	Wormhill (Hargate Wall)	No. 109 Derwent Valley Water Board	5	1	0	1140	...	57·66	...	...
	Tideswell	No. 111 Derwent Valley Water Board	5	1	0	1000	...	55·14	...	...
	Tideswell (Wheston)	No. 112 Derwent Valley Water Board	5	1	0	1140	...	56·35	...	...
	Tideswell (Stanley Lodge)	No. 114 Derwent Valley Water Board	5	1	0	910	...	49·34	...	...
	Peak Forest (Middle Hill)	No. 104 Derwent Valley Water Board	5	1	0	1080	...	55·81	...	...
	Peak Forest (White Rake)	No. 110 Derwent Valley Water Board	5	1	0	1220	...	58·86	...	...
	Buxton (Dove Holes)	No. 103 Derwent Valley Water Board	5	1	0	1095	...	61·06	...	...
	Little Hucklow	No. 107 Derwent Valley Water Board	5	1	0	1012	...	54·00	...	...
D	Peak Forest	No. 100 Derwent Valley Water Board	8	1	0	1050	...	56·30	246	201
	Bradwell (Moss Rake Head)	No. 106 Derwent Valley Water Board	5	1	0	1435	...	62·04	...	...
	Peak Forest (Eldon Hill)	No. 113 Derwent Valley Water Board	5	1	0	1350	...	62·70	...	...
	Bradwell (Paradise Farm)	No. 108 Derwent Valley Water Board	5	1	0	1060	...	57·43	...	...
	Castleton (Rowter Farm)	No. 105 Derwent Valley Water Board	5	1	0	1395	...	62·05	...	...
	Rushup Edge	No. 101 Derwent Valley Water Board	5	1	0	1245	...	61·31	...	...
D	Bamford (Engineer's Office)	No. 60 Derwent Valley Water Board	8	1	0	509	37·8	49·57	236	173
d	§Bamford Filters	No. 70A Derwent Valley Water Board	8	1	0	660	39·1	46·86	257	184
d	Grindleford (The Grange)	C. A. Whittington-Smith, Esq.	5	0	8	550	...	45·65	...	...
D	Holmesfield (Barbrook Reservoir)	P. Hothersall, Esq., M.B.E.	8	1	0	1080	35·6	44·60	244	167
	Holmesfield (White Edge)	Sheffield Corporation W.W.	5	1	0	1209	...	46·01	...	...
D	Burbage (Lower Burbage)	(+A) Sheffield Corporation W.W.	8	1	0	924	36·2	44·79	265	172
D	Hope (Cement Works)	G. & T. Earle Ltd.	5	1	0	580	...	49·20	222	150
D	Hope (Killhill Bridge)	No. 56B Derwent Valley Water Board	5	0	9	560	40·4	47·93	257	188
	Mam Nick	No. 98 Derwent Valley Water Board	5	1	0	1368	...	68·64	...	...
	Dalehead	No. 97 Derwent Valley Water Board	5	1	0	1030	...	69·40	...	...
	Stanage (Redmires)	Sheffield Corporation W.W.	5	1	0	1395	41·7	51·18	...	...
d	Bamford (Yorkshire Br. Weir)	No. 59B Derwent Valley Water Board	5	1	0	560	36·7	51·19	...	...
M	Grain Clough	No. 96A Derwent Valley Water Board	5	1	0	999	...	66·30	...	...
d	Edale Mill	No. 84 Derwent Valley Water Board	5	1	0	725	...	62·87	...	201
	Jacob's Ladder	No. 96 Derwent Valley Water Board	5	1	0	1115	...	82·43	...	...
	Edale End	No. 83 Derwent Valley Water Board	5	1	0	632	...	54·70	...	...
	Grindslow	No. 94 Derwent Valley Water Board	5	1	0	940	...	72·67	...	...
	Crook Hill	No. 92 Derwent Valley Water Board	5	1	0	1100	...	61·28	...	...
	Ladybower	No. 73 Derwent Valley Water Board	5	1	0	985	...	56·53	...	...
w	Grimbocar	No. 90 Derwent Valley Water Board	5	1	0	700	...	62·81	...	...
	Nether Moor	No. 93 Derwent Valley Water Board	5	1	0	1460	...	75·89	...	...
	Hagg Farm	No. 81 Derwent Valley Water Board	8	1	0	700	...	66·35	...	...
	§Blackdean Brook	No. 89 Derwent Valley Water Board	5	1	0	1070	...	85·56?	...	...
D	River Ashop (Weir)	No. 80A Derwent Valley Water Board	5	1	0	795	...	65·09	247	200
D	Fairholmes (Nursery)	No. 26A Derwent Valley Water Board	5	1	0	685	42·8	62·88	257	205
	Nether Seal Clough	No. 79B Derwent Valley Water Board	5	1	0	1320	...	79·35	...	...
	§Nether Red Clough	No. 78 Derwent Valley Water Board	5	1	0	1370	...	77·23	...	...
w	Mill Brook	No. 91 Derwent Valley Water Board	5	1	0	770	...	60·71	...	...
	§Ashop Head	No. 43A Derwent Valley Water Board	5	1	0	1670	...	82·00	...	...
	Ouzelden Clough	No. 75 Derwent Valley Water Board	5	1	0	885	...	68·88	...	...
	§Urchin Clough	No. 88 Derwent Valley Water Board	5	1	0	1190	...	74·11	...	...
	Alport Moor (Alport Castles)	No. 82 Derwent Valley Water Board	5	1	0	975	...	69·56	...	...
w	Derwent Dale (Birchinlee)	No. 23 Derwent Valley Water Board	8	1	0	890	50·3	65·82	...	...
	§Lady Clough Moor	No. 41B Derwent Valley Water Board	5	1	0	1720	...	79·53	...	...
	§Featherbed Top	No. 77 Derwent Valley Water Board	5	1	0	1665	...	82·67	...	...
D	Derwent Dale (Howden Dam)	No. 17 Derwent Valley Water Board	8	1	0	845	47·7	63·74	260	206
w	§Derwent Dale (Ridge Farm)	No. 13A Derwent Valley Water Board	5	1	0	883	52·4	70·64	...	...

§ Turf wall round gauge.

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954		
				Diam.	Height of		in.		in.	Days with .01 in. or more	Days with .04 in. or more
				in.	ft.	in.		ft.			
DERBYSHIRE—(contd.)											
6.—TRENT. Derwent.—(contd.)											
	Westend Moor (Blacklow Cote) No. 15	Derwent Valley Water Board	5	1	0	970	51.3	64.65	...	...	
	Alport Moor No. 38b	Derwent Valley Water Board	5	1	0	1790	...	84.54	...	...	
	Deep Grain No. 74	Derwent Valley Water Board	5	1	0	1360	...	72.15	...	...	
w	Derwent Dale (Slippery Stones) No. 62	Derwent Valley Water Board	5	1	0	908	49.4	67.44	...	...	
	Ronksley Moor No. 86	Derwent Valley Water Board	5	1	0	1660	...	74.10	...	...	
m	Bleaklow Hill No. 87	Derwent Valley Water Board	5	1	0	2050	...	(84.75)	...	...	
	Broadhead Clough No. 63	Derwent Valley Water Board	5	1	0	1010	52.8	70.72	...	...	
	Barrow Clough No. 71	Derwent Valley Water Board	5	1	0	1330	...	73.58	...	...	
7.—TRENT. Erewash. 50 sq. mi.											
D	Breaston (Woodland Avenue) F. Cresswell, Esq.		5	1	0	115	...	27.66	177	134	
D	Long Eaton (Town Hall) Long Eaton U.D.C.		8	0	10	105	23.4	27.81	211	142	
D	Ilkeston (New Stanton) Stanton Ironworks Co., Ltd.		5	1	0	150	25.2	30.61	199	154	
D	Ilkeston (Sewage Works) Borough Surveyor		5	1	6	132	...	31.03	205	146	
d	Morley Hall C. H. D. Ham, Esq.		5	1	0	380	...	30.35	...	133	
d	Codnor Park British Waterways		5	1	0	243	...	35.94	180	138	
8.—OUSE. Don. 138 sq. mi.											
	Chesterfield (Hunger Hill) Late A. Boothman, Esq., C.E.		5	1	0	643	33.6	42.58	...	...	
D	Chesterfield (Whispering Well) Late A. Boothman, Esq., C.E.		5	1	0	575	32.5	39.59	220	159	
D	Bolsover Colliery Yorkshire Ouse River Board		5	1	0	275	...	34.41	215	137	
D	CHESTERFIELD School J. North, Esq.		5	1	0	298	...	34.67	193	145	
D	Chesterfield (Lower Linacre Reservoir) Late A. Boothman, Esq., C.E.		8	1	0	430	31.8	40.76	224	158	
D	Chesterfield (Middle Linacre Reservoir) Late A. Boothman, Esq., C.E.		5	1	0	500	...	41.52	227	164	
D	Chesterfield (Upper Linacre Filters) .. Late A. Boothman, Esq., C.E.		5	1	0	521	...	40.87	224	159	
D	Chesterfield (Sewage Works) Manager		5	1	0	225	...	34.75	196	143	
D	Chesterfield (Crowhole Reservoir) .. P. Hotherhall, Esq., M.B.E.		5	1	0	605	31.1	39.40	205	150	
D	Spinkhill (Mount St. Mary's College) Rev. F. Burton, S.J.		5	1	0	350	...	35.23	213	140	

CHESHIRE. (Area, 1,014 sq. mi.)

D. LANGLEY (Twelve Ashes) J. H. Dossett, Esq.										6	0	9	903	...	56-31	254	208
D Langley (Trentabank Reservoir) (+A) J. H. Dossett, Esq.										6	0	9	864	...	55-76	255	208
D Langley (Bottoms Reservoir) J. H. Dossett, Esq.										6	0	9	662	38-5	51-18	244	196
D Macclesfield (Leadbeaters Reservoir) J. H. Dossett, Esq.										5	1	0	579	...	46-28	248	181
D MACCLESFIELD (West Park) J. H. Dossett, Esq.										5	1	0	500	34-1	47-04	258	195
D Rainow (The Clough) Miss Anna Neave										5	1	3	815	34-4	51-57	255	195
D Nether Alderley J. H. Shelmerdine, Esq.*										5	1	0	329	...	42-84	225	186
D Prestbury (Sewage Works) .. (+A) Mersey River Board										5	1	0	320	...	43-81	234	182
D Adlington (Styperson House) E. Morton, Esq.										5	1	0	500	...	46-05	(241)	(181)
D Disley (Lyme Park) Stockport Corporation W.W.										5	1	0	674	...	50-59	250	198
D Disley (Higher Stoneridge) Stockport Corporation W.W.										5	1	0	750	35-2	51-45	251	199
D Runcorn (Weston Point) British Waterways										8	1	3	30	31-3	37-68	212	176
D Appleton Reservoir (+A) Warrington Waterworks										5	1	0	120	...	41-78	232	176
D Moore (Uplands) Lt.-Com. G. K. Rylands, R.N.										5	1	0	120	...	38-27	222	183
D RINGWAY (MANCHESTER Airport)(+A) Meteorological Office										5	1	0	248	29-9	41-23	222	172
D High Lane (Light Alders Farm) .. R. B. Melland, Esq.										5	1	3	675	33-0	48-28	232	189
D MELLOR Dr. K. C. Roberts										5	1	0	728	...	44-70	244	183
D Altrincham (Norman's Place) Miss G. A. Griffiths										5	1	0	150	...	41-50	223	180
D Dunham Massey (Sewage Works) (+A) Mersey River Board										5	1	0	55	...	40-80	229	183

* *Per* Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
CHESHIRE—(contd.)									
1.—MERSEY. Upper—(contd.)									
D Stockport (Cherry Tree Hospital) ..	Medical Officer of Health ..	5	1	3	285	...	38.05	220	174
D Timperley (Bloomsbury Lane) ..	P. Newton, Esq. ..	5	1	0	98	...	42.63	231	188
d Gatley (Park Road) ..	Miss Betty Wyles, B.Sc. ..	5	0	11	150	...	44.65	211	181
D Stockport (Cheadle Heath Sew. Wks.)	Borough Surveyor ..	8	2	0	135	...	43.67	223	177
D Stockport (Bredbury Sewage Works)	Bredbury & Romiley U.D.C.	5	0	9	165	...	38.45	197	160
D Sale (Carrington Lane) .. (+A)	Mersey River Board ..	5	1	0	72	...	44.28	233	194
D Sale (Sewage Works) ..	Manager ..	5	0	10	58	...	46.15	236	196
D Godley Reservoir ..	Manchester Corpn. W.W.	5	1	0	488	34.8	53.03	254	197
D Dukinfield (Higher Reservoir) ..	M. T. B. Whitson, Esq., C.E.	5	1	0	435	35.7	44.65	229	190
Bottoms Reservoir ..	Manchester Corpn. W.W.	5	1	0	501	...	55.27	246	204
Arnfield Reservoir .. (+A)	Manchester Corpn. W.W.	5	1	0	512	39.1	55.79	246	210
Rhodes Wood Reservoir ..	Manchester Corpn. W.W.	5	1	0	545	42.7	59.51	247	214
§Hollingworth Hall (Moor) .. No. 23	Manchester Corpn. W.W.	5	1	0	1194	42.0	60.54	...	...
§Torside Reservoir ..	Manchester Corpn. W.W.	5	1	0	667	...	60.61	250	212
D Stalybridge (Market Ground Yard) ..	M. T. B. Whitson, Esq., C.E.	5	1	0	373	38.3	54.02	232	193
D Stalybridge (Brushes Filter House) ..	M. T. B. Whitson, Esq., C.E.	8	1	6	615	39.2	59.82	249	208
w Higher Swineshaw ..	M. T. B. Whitson, Esq., C.E.	5	1	0	965	43.3	62.72	...	...
D Woodhead Reservoir ..	Manchester Corpn. W.W.	5	1	0	665	48.3	63.13	251	210
§Arnfield Moor .. No. 24	Manchester Corpn. W.W.	5	1	0	1290	49.9	72.50	...	...
§Crowden (Span Gutter) ..	Manchester Corpn. W.W.	5	1	0	1530	52.0	77.86	...	...
§Pikenaze Moor (Audernshaw Clough)	Manchester Corpn. W.W.	5	1	0	1148	53.7	71.74	...	...
§Woodhead (Pikenaze) ..	Manchester Corpn. W.W.	5	1	0	926	...	62.61	...	...
§Swineshaw Moor (Boar Flat) No. 11	Manchester Corpn. W.W.	5	1	0	1190	48.6	72.97	...	...
§Westend Moor (Stonefold) ..	Manchester Corpn. W.W.	5	1	0	1691	56.8	79.66	...	...
§Withens Moor (West Withens) No. 19	Manchester Corpn. W.W.	5	1	0	1382	60.0	78.12	...	...
§Crowden (Meadow Clough) ..	Manchester Corpn. W.W.	5	1	0	1425	...	90.29	...	...
§Near Broadslate ..	Manchester Corpn. W.W.	5	1	0	1663	...	88.05	...	...
§Longside Moss .. No. 26	Manchester Corpn. W.W.	5	1	0	1418	59.8	77.70	...	...
§Upper Heyden ..	Manchester Corpn. W.W.	5	1	0	1717	60.5	94.08	...	...
§Grains Moss ..	Manchester Corpn. W.W.	5	1	0	1573	58.1	86.43	...	...
2.—MERSEY. Weaver. 489 sq. mi.									
D Audlem (Newholme) ..	C. Coffin, Esq.* ..	5	1	0	214	28.6	37.90	228	174
d Wybunbury (Vicarage) ..	P. Jones, Esq. ..	5	1	0	160	...	36.05	...	...
D Cholmondeley School .. (+A)	A. H. Munro, Esq.* ..	5	1	0	291	29.3	36.29	231	167
D Nantwich (Baddiley Waterworks) ..	Mid & S.E. Cheshire W. Bd.	5	1	0	231	28.3	37.30	226	170
D Nantwich (Beam Bridge) ..	Nantwich U.D.C. ..	5	1	0	115	...	36.50	230	167
D Nantwich (Dorfold Hall) ..	British Waterways ..	8	1	0	190	28.8	36.95	213	170
D Nantwich (Reaseheath Hall) ..	British Waterways ..	8	1	0	130	29.1	33.98	230	161
D Crewe (Sewage Works) ..	L. Reeves, Esq., C.E. ..	5	1	0	125	27.6	36.94	236	173
D Crewe (Isolation Hospital) ..	Mid & S.E. Cheshire W. Bd.	5	1	4	181	27.6	37.01	254	170
D Mow Cop (Pumping Station) ..	Mid & S.E. Cheshire W. Bd.	5	1	0	460	...	43.08	243	181
D Sandbach (Pumping Station) ..	Mid & S.E. Cheshire W. Bd.	5	1	0	210	28.3	41.77	218	171
D Tarporley (Tilstone Lodge) ..	Head Gardener ..	5	1	0	220	29.9	38.72	209	171
D Eaton (Pumping Station) ..	Mid & S.E. Cheshire W. Bd.	5	1	0	285	31.6	40.06	226	180
D §Congleton (Sewage Works) .. (+A)	Borough Surveyor ..	5	1	0	247	30.5	41.31	224	172
D Congleton (Buglawton Hall) ..	British Waterways ..	8	1	0	450	32.6	46.71	224	179
D Bosley Reservoir ..	Cheshire River Board ..	5	1	0	590	...	47.52	215	182
D Middlewich ..	I.C.I. (Alkali) Ltd. ..	5	1	0	138	28.1	38.14	227	178
D Tarporley (Sandyford Waterworks) ..	Mid & S.E. Cheshire W. Bd.	8	1	0	249	32.0	39.37	244	189
D Cranage Hall Hospital ..	Clerk & Steward* ..	5	1	0	179	28.9	37.36	231	174
D Delamere (Linmere) ..	Forestry Commission ..	8	0	9	250	31.9	41.86	231	179
d Cuddington (Merle Wood) ..	Sir Edwin Cooper-Burgis, K.T.	5	1	0	200	...	39.73	195	177
D Northwich (Crabtree Green) ..	Mid & S.E. Cheshire W. Bd.	8	1	0	163	32.0	42.45	248	187
D Northwich (Weaverham Grange) ..	Mid & S.E. Cheshire W. Bd.	5	1	0	151	...	39.70	218	182

§ Turf wall round gauge.

* Per Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			.01 in. or more	.04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
CHESHIRE—(contd.)									
2.—MERSEY. Weaver—(contd.)									
D Northwich (Hunts Lock)	British Waterways	8	1	5	47	30.0	39.27	222	174
D NORTHWICH (WINNINGTON)	I.C.I. (Alkali) Ltd.	5	1	0	65	29.2	38.17	221	173
D Chelford (Kennel Bank)	A. M. Haworth, Esq.	5	1	0	263	...	42.09	223	178
D Chelford (Snelson House)	R. C. Walsh, Esq.	5	1	0	250	...	(41.90)	217	175
D Northwich (Lostock Gralam)	I.C.I. (Alkali) Ltd.	5	1	0	75	...	36.21	219	159
D Northwich (Marbury Road)	Charles Cooper, Esq.	5	1	0	96	...	39.43	217	178
3.—MERSEY. Lower & C. 142 sq. mi.									
D Barrowmore (+A)	Cheshire River Board	5	0	9	114	...	33.73	214	169
D Mouldsworth (Pumping Station) ..	West Cheshire Water Board ..	5	1	0	145	28.9	36.00	240	165
D Manley (Ravelstone)	Mrs. A. Haworth	5	1	0	300	31.9	30.21	170	136
D Foxhill (Pumping Station)	Warrington Waterworks	5	1	0	155	30.2	30.81	207	159
D Ellesmere Port (The Refinery) ..	Lobitos Oilfields Ltd.	5	1	0	15	...	34.66	208	166
D Hooton (Waterworks)	West Cheshire Water Board ..	5	1	0	97	30.3	40.28	226	170
D Crosshill Reservoir, old g.	W. K. Lewis, Esq., C.E.	5	1	0	237	...	38.18	223	178
D Crosshill Reservoir, new g.	W. K. Lewis, Esq., C.E.	5	1	0	212	...	37.89	220	179
D Port Sunlight	Lever Bros.	5	1	0	50	...	40.54	213	168
D Prenton (Waterworks)	West Cheshire Water Board ..	5	1	3	91	28.1	40.60	196	169
D Birkenhead (BIDSTON OBS'Y.) ..	(+A) Director	5	1	0	198	27.9	35.75	213	153
D WALLASEY (Harrison Park)	Medical Officer of Health ..	5	1	0	57	...	37.16	215	159
4.—DEE. 127 sq. mi.									
D Eaton Hall Gardens	Mr. G. Miller	5	1	3	60	26.9	35.69	233	160
D Chester (Sewage Disposal Works) ..	Engineer and Surveyor	5	0	6	16	26.1	32.64	214	152
D Chester (Waterworks)	Engineer	5	0	10	85	26.4	33.53	197	148
D Chester (Dicksons Drive)	M. H. O. Hoddinott, Esq. ..	5	1	0	64	...	36.78	232	165
D WEST KIRBY (PARK)	Hoylake U.D.C.	5	1	5	26	...	34.44	222	170
SOUTH LANCASHIRE. (Area, 700 sq. mi.)									
1.—ALT & C. 103 sq. mi.									
d Prescott (Knowsley Hall)	Head Gardener	8	1	0	172	...	(44.50)	...	...
d Kirby (Estate Works)	Mersey River Board	5	1	0	48	...	45.14	...	...
D Crosby (Merchant Taylors' School) ..	H. Tunley, Esq.	5	0	7	20	...	39.95	215	163
D Formby (Ince Blundell)	Mersey River Board	5	1	0	36	...	48.30	275	191
d Ormskirk (Bickerstaffe Pumping Stn.)	N. B. Bennett, Esq., C.E. ..	5	0	8	127	33.2	46.16	...	...
d Ormskirk (Springfield Pumping Stn.)	N. B. Bennett, Esq., C.E. ..	5	1	1	69	33.1	46.99	...	...
D Formby (Hightown) (+A)	Mersey River Board	5	1	0	25	...	42.78	242	177
D Barton (Pump House)	M. McD. MacLeod, Esq. ..	5	1	0	11	...	44.55	235	178
2.—MERSEY. Lower. 244 sq. mi.									
D SPEKE (Liverpool Airport) (+A)	Meteorological Office	5	1	0	77	...	36.88	223	164
D Garston Depot	Liverpool Corporation	5	1	0	81	30.7	39.00	221	168
D Halewood (Sewage Works)	Manager	5	1	2	30	...	41.50	237	176
d Widnes (Catherine Street)	Widnes Water Department ..	8	1	0	30	...	37.53	...	169
D Liverpool (Lark Lane)	Liverpool Corporation	5	9	1	90	...	42.48	243	180
D Liverpool (Smithdown Road)	Liverpool Corporation	5	1	0	135	31.7	44.76	240	173
D Great Sankey (Liverpool Road) ..	(+A) Mersey River Board	5	1	0	65	...	41.46	228	179
D Cronton (Pex Hill, Old Reservoir) ..	Widnes Water Department ..	5	1	0	228	...	44.32	206	180
D Liverpool (Monument Place) (+A)	Liverpool Corporation	5	1	3	124	...	43.35	222	174
D Liverpool (Rathbone Road)	Liverpool Corporation	5	1	0	198	34.3	44.66	237	178
D Liverpool (Breckside Park)	Liverpool Corporation	5	0	9	132	33.2	40.99	226	172
D Liverpool (Queens Drive)	Liverpool Corporation	5	1	0	119	33.3	44.45	217	185
D Warrington (Highways Yard)	Water Engineer & Manager ..	8	4	5	43	...	40.23	225	180
D PADGATE (Training College)	S. T. Wood, Esq.	5	1	0	49	...	42.08	227	175

|| Gauge over-sheltered.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
SOUTH LANCASHIRE—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
2.—MERSEY. Lower—(contd.)									
D Winwick (Pumping Station)	Warrington Waterworks ..	5	1	0	115	...	43·88	228	185
Prescot	Liverpool Corpn. W.W. ..	5	1	0	282	...	45·52	...	...
D St. Helens (Eccleston Hill)	M. Ward, Esq., C.E. ..	5	1	0	250	33·6	43·50	234	179
D St. Helens (Victoria Park)	Medical Officer of Health ..	8	1	5	145	33·9	41·57	231	182
D Newton le Willows (Belvedere Rd.) ..	T. Green, Esq. ..	5	0	9	145	...	40·25	230	180
D St. Helens (Windle Hall)	W. H. Pilkington, Esq. ..	5	1	0	160	...	42·83	242	188
d Litherland (Hatton Hill Park)	C. Rigby, Esq., C.E. ..	5	1	0	59	...	36·43	...	...
D Leigh (Sewage Works)	T. N. Cockroft, Esq., B.Sc. ..	8	1	0	69	32·6	43·38	221	179
D Rainford (Rookery Sewage Works) ..	Mersey River Board ..	5	1	0	107	...	45·91	218	190
D Hindley (Platt Bridge Sewage Works)	Surveyor	8	0	10	91	...	48·32	240	192
d Atherton (Cemetery)	Mersey River Board ..	5	1	0	165	...	49·02	...	...
3.—MERSEY. Irwell. 299 sq. mi.									
D Stretford (Longford Park)	Stretford U.D.C. ..	8	1	1	85	...	43·99	211	177
D Manchester (Hullard Park)	Stretford U.D.C. ..	8	1	1	100	32·4	49·19	252	193
D Manchester (Old Trafford)	Stretford U.D.C. ..	5	1	1	107	...	48·63	231	190
D Urmston (Davyhulme Sewage Works)	Manchester Cpn. Rivers Dpt. ..	8	1	0	72	30·9	43·08	215	174
D Patricroft (Eccles Sewage Works) (+A)	Manager	5	1	0	71	30·3	44·54	219	176
D Salford (Weaste Sewage Works)	City Engineer	8	1	0	70	32·9	47·05	234	196
D MANCHESTER (WHITWORTH PARK) ..	University of Manchester ..	8	1	0	125	31·7	45·68	226	189
D Ashton-under-Lyne (Knott Hill Res.)	M. T. B. Whitson, Esq., C.E. ..	8	1	0	605	39·7	55·03	264	211
D Prestwich (Sewage Works)	Manager	8	0	10	150	36·6	50·49	238	193
Prestwich Reservoir	Manchester Corpn. W.W. ..	5	1	0	340	38·2	55·26	247	204
D Prestwich (Heaton Park)	City Surveyor, Manchester ..	5	1	6	325	36·8	54·97	247	211
Prestwich (Heaton Park Reservoir) ..	Manchester Corpn. W.W. ..	5	1	0	355	37·1	50·99	253	198
d Oldham (Gasworks)	C. Busfield, Esq., C.E. ..	5	5	9	602	39·0	62·87	...	...
D Bolton (Hacken Sewage Works)	Manager	5	1	0	182	39·4	57·66	237	200
d Oldham (Brushes Clough)	C. Busfield, Esq., C.E. ..	5	1	0	921	46·7	62·63	260	210
d Royton (Public Park)	Park Superintendent ..	5	1	0	516	39·1	55·97	207	193
D BOLTON (Queen's Park) (+A)	Corporation	5	1	0	342	43·1	57·22	238	196
d Bolton (Bradshawgate)	British Waterways ..	5	1	0	299	41·6	56·60	...	...
D Bolton (Heaton Reservoir)	Corporation Waterworks ..	5	1	5	500	43·5	61·79	265	214
M §Bolton W.W. (Harpers Farm)	Corporation Waterworks ..	5	1	0	872	...	63·81	...	...
d Bolton (Smithhills Hall)	Corporation	5	1	0	510	46·1	67·23	...	...
D Bury (Sewage Works)	G. R. C. Marsden, Esq. ..	5	1	0	220	...	51·91	253	188
D Bury (Elton Reservoir)	British Waterways ..	5	1	0	294	38·7	53·92	258	189
D Bury (Greenhill Road)	R. Moore, Esq. ..	5	2	7	399	40·5	61·62	225	197
D Castleton (Trub Sewage Works)	Borough Surveyor ..	5	1	0	438	...	52·91	236	188
D Newhey (Sewage Works)	Crompton U.D.C. ..	8	1	0	513	41·6	57·55	228	190
d Milnrow (Butterworth Hall)	C. Busfield, Esq., C.E. ..	5	1	0	512	43·8	52·06	...	...
D Milnrow (Piethorne, Kitcliffe)	C. Busfield, Esq., C.E. ..	5	1	0	766	46·1	63·90	259	209
D Milnrow (Piethorne, Cold Greave) ..	C. Busfield, Esq., C.E. ..	5	1	0	832	46·3	62·12	279	198
D ROCHDALE (Roch Mills Sewage Wks.)	Borough Surveyor ..	5	1	0	363	44·5	55·97	240	194
D Rochdale (Queensway) (+A)	Rochdale Corporation ..	5	4	6	475	42·4	55·22	230	195
d Rochdale (Fieldhead Yard)	Borough Surveyor ..	8	1	0	473	41·5	59·64	...	...
D Rochdale (Ashworth Moor Reservoir)	Heywood & Middleton W. Bd. ..	5	1	2	956	...	63·59	258	227
D Bury (Gin Hall) No. 1	Irwell Valley Water Board ..	5	1	0	475	43·7	62·28	254	209
D Bury (Gin Hall) No. 2	Irwell Valley Water Board ..	5	1	0	475	44·5	62·71	254	214
D Bolton W.W. (Springs) No. 2	Corporation Waterworks ..	5	1	0	810	54·5	80·01	268	221
M Bolton W.W. (Eagley) No. 4	Corporation Waterworks ..	5	1	0	546	52·3	77·25	...	...
D Turton (Turton Tower)	Turton U.D.C. ..	5	1	0	584	49·1	69·95	259	214
M Bolton W.W. (Hordern)	Corporation Waterworks ..	5	1	0	1160	53·5	82·07	...	...
D §Bolton W.W. (Delph)	Corporation Waterworks ..	5	1	0	710	53·6	74·62	255	219
M Bolton W.W. (Longworth)	Corporation Waterworks ..	5	1	0	770	52·4	76·39	...	...
d Bolton W.W. (Wayoh) No. 3	Corporation Waterworks ..	5	1	0	608	51·7	73·57	255	208

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Daim.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOUTH LANCASHIRE—(contd.)									
3.—MERSEY. Irwell—(contd.)									
M §Bolton W.W. (Holden's Farm)	.. Corporation Waterworks	5	1	0	955	51·9	72·93	...	...
M Bolton W.W. (Top-o'-th'-Brow)	.. Corporation Waterworks	5	1	0	935	56·5	79·38	...	...
D Bolton W.W. (Entwistle)	.. Corporation Waterworks	5	1	2	700	52·4	72·15	260	215
M Bolton W.W. (Bromiley Heys)	.. Corporation Waterworks	5	1	3	925	53·4	83·33	...	...
M §Bolton W.W. (Hulton Pasture)	.. Corporation Waterworks	5	1	0	1090	49·7	79·07	...	...
M §Bolton W.W. (Moorside)	.. Corporation Waterworks	5	1	0	850	50·2	72·28	...	...
M Bolton W.W. (Clough)	.. Corporation Waterworks	5	1	0	1150	54·2	77·83	...	...
M Bolton W.W. (Cranberry Moss)	.. Corporation Waterworks	5	1	4	982	52·0	71·05	...	...
M Bolton W.W. (Slater Lane)	.. Corporation Waterworks	5	1	0	985	52·1	79·84	...	...
M Bolton W.W. (Brown Lowe)	.. Corporation Waterworks	5	1	0	1200	52·9	78·12	...	...
M Bolton W.W. (Longshoot)	.. Corporation Waterworks	5	1	3	930	52·8	72·36	...	...
Bolton W.W. (Uglov)	No. 2 Corporation Waterworks	5	1	0	1090	51·1	73·70	...	...
D Rochdale (Hamer Pasture Res.)	.. Rochdale Corporation	5	1	0	760	48·6	67·08	242	207
D Rochdale (Naden Filters)	.. Heywood & Middleton W. Bd.	5	1	0	761	46·9	66·33	246	200
W Norden (Far Knowl Farm)	.. Heywood & Middleton W. Bd.	8	1	3	1000	47·2	70·77	...	...
D Littleborough (Longden End)	.. C. Busfield, Esq., C.E.	5	1	0	751	48·2	68·96	255	212
D Littleborough (Hollingworth Lake)	.. C. Busfield, Esq., C.E.	8	1	0	610	40·6	56·14	243	200
§Littleborough (Broadhead)	.. C. Busfield, Esq., C.E.	8	1	0	1337	...	56·98	266	209
D Littleborough (Blackstone Edge)	.. C. Busfield, Esq., C.E.	8	1	0	1268	45·0	68·89	265	215
D Littleborough (Upper Chelburn)	.. C. Busfield, Esq., C.E.	8	1	0	725	48·2	63·40	257	206
D Littleborough (Chelburn)	.. C. Busfield, Esq., C.E.	8	1	0	700	46·6	64·63	257	205
M ||Ramsbottom (Killgate Brook)	.. Heywood & Middleton W. Bd.	5	1	0	978	...	66·30	...	...
d Ramsbottom	.. British Waterways	5	0	11	418	47·7	67·28	...	...
Ramsbottom (Cheesden Barn)	.. Heywood & Middleton W. Bd.	5	1	0	997	...	57·91	...	...
D Edenfield (New Hall Nurseries)	.. Irwell Valley Water Board	5	1	0	800	46·9	64·49	257	203
D Edenfield (Scout Moor Res.)	No. 2 Irwell Valley Water Board	5	1	0	1275	...	82·56	240	211
d Rochdale (Spring Mill, Whitworth)	.. Rochdale Corporation	5	1	0	720	51·5	70·83	...	214
D Wardle (Watergrove Mill)	.. Rochdale Corporation	8	2	6	819	49·9	61·15	247	207
d Rochdale (Cowm, Whitworth)	.. Rochdale Corporation	5	1	0	762	51·5	77·29	248	210
D Helmshore (Musbury Valley)	.. Irwell Valley Water Board	5	1	0	750	52·1	72·49	242	214
D HELMSHORE (Exper. Husbandry Farm)	Director	5	1	0	854	...	75·91	246	205
D Haslingden (Holden Wood)	No. 1 Irwell Valley Water Board	5	1	0	690	52·1	71·65	251	214
D Haslingden (Holden Wood)	No. 2 Irwell Valley Water Board	5	1	0	670	51·4	72·06	251	209
D Haslingden (Calf Hey)	No. 1 Irwell Valley Water Board	5	1	0	800	50·9	75·64	251	212
D Haslingden (Ogden)	No. 1 Irwell Valley Water Board	5	1	0	740	50·9	70·25	251	213
D Haslingden (Ogden)	No. 2 Irwell Valley Water Board	5	1	0	740	51·7	71·96	251	213
D Rawtenstall (Cemetery)	(+A) Boro' Engineer & Surveyor	5	1	1	572	46·3	69·13	233	200
D Rawtenstall (Green Fold Res.)	(+A) Irwell Valley Water Board	5	1	0	1000	47·6	65·32	244	197
D Rawtenstall (Green Fold Res.)	No. 2 Irwell Valley Water Board	5	1	0	1025	46·1	65·53	244	193
D Rawtenstall (Clough Bottom)	No. 1 Irwell Valley Water Board	5	1	0	1025	47·4	67·70	249	207
D Rawtenstall (Clowbridge Res.)	No. 1 Irwell Valley Water Board	5	1	0	930	47·6	69·49	232	216
D Rawtenstall (Clowbridge Res.)	No. 2 Irwell Valley Water Board	5	1	0	930	51·6	73·46	232	216
4.—MERSEY. Upper. 54 sq. mi.									
D Northenden (Sewage Works)	.. Manchester Cpn. Rivers Dpt.	8	1	0	81	...	43·70	218	188
D Chorlton-cum-Hardy (Sewage Works)	Manchester Cpn. Rivers Dpt.	8	4	6	95	30·5	46·75	231	191
D Stretford (Sewage Farm)	.. Borough Engineer	8	1	1	65	...	48·09	231	186
D Denton (Sewage Works)	.. Denton U.D.C.	5	1	0	205	31·0	45·68	212	179
D Fallowfield (Platt Field Park)	.. City Engineer, Manchester	8	1	0	118	30·6	43·31	230	192
Denton Reservoir	.. Manchester Corpn. W.W.	5	1	0	306	35·1	53·93	252	204
Gorton Reservoir	.. Manchester Corpn. W.W.	5	1	0	263	35·0	50·71	237	202
Audenshaw Reservoirs	.. Manchester Corpn. W.W.	5	1	0	300	...	53·76	251	209
D Ashton-u-Lyne (Henrietta St. Yard)	.. M. T. B. Whitson, Esq., C.E.	5	1	0	394	37·2	52·45	231	195
D Lower Swineshaw Reservoir	.. M. T. B. Whitson, Esq., C.E.	8	1	0	886	43·6	59·70	248	210
W Swineshaw Moor	.. M. T. B. Whitson, Esq., C.E.	5	1	0	1340	...	66·35	...	...

§ Turf wall round gauge.

|| Gauge over-exposed.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground above		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)		in.	ft.	in.	ft.	in.	in.		
1.—RIBBLE & C. 326 sq. mi.									
M Rivington (Tockholes)	Liverpool Corpn. W.W. ..	5	1	0	970	...	73·30	...	...
M Roddlesworth	Liverpool Corpn. W.W. ..	5	1	0	725	...	68·90	...	...
D Darwen (Sunnyhurst Hey Res.) ..	Borough & Water Engineer ..	8	1	5	915	49·5	74·51	248	210
D Darwen (Earnsdale Reservoir) ..	Borough & Water Engineer ..	8	1	0	705	47·4	74·55	246	210
D DARWEN (Bold Venture Park) ..	Medical Officer of Health ..	8	1	0	724	50·1	78·95	251	212
D Darwen (Hoddlesden)	Blackburn Waterworks ..	8	1	4	680	49·1	71·11	286	222
D §Darwen (Daisy Green)	Blackburn Waterworks ..	8	1	0	969	...	75·86	288	234
D §Darwen (Pickup Bank)	Blackburn Waterworks ..	8	1	6	727	...	72·44	286	227
d Brindle (Whiteholme)	Miss W. M. Gatty ..	5	1	8	315	39·3	53·04	...	...
D Haslingden (Mitchell's House Res.) ..	R. Jackson, Esq., B.Sc. ..	5	1	0	930	45·0	64·67	243	197
D Blackburn (Guide Reservoir) ..	Blackburn Waterworks ..	8	1	0	610	44·9	61·44	245	200
D Blackburn (Witton)	Blackburn Waterworks ..	8	2	7	315	42·0	52·64	234	171
Hutton (Lancs C.C. Hort. Station)	County Inst. of Agriculture	5	1	0	82	35·2	50·61	...	...
D Accrington (Oak Hill Park) .. (+A)	Borough Engineer ..	5	1	0	645	...	62·51	242	193
D Accrington (Coppo Clough S.W.) (+A)	Borough Engineer ..	5	1	0	386	...	56·91	229	189
d Preston (West Cliff)	Lancashire River Board ..	5	1	0	25	...	51·58	...	...
D PRESTON (MOOR PARK) (+A)	Jeremiah Horrocks Obsy. ..	8	1	0	108	35·3	54·11	249	189
D Samlesbury (Sewage Works) ..	Blackburn Waterworks ..	8	1	6	240	36·9	49·97	219	184
D SQUIRES GATE (Blackpool Airport) (+A)	Meteorological Office ..	5	1	0	33	31·8	45·24	225	173
D Blackburn (Queens Road)	J. Brennan, Esq. ..	5	1	1	515	...	64·03	270	185
w Burnley W.W. (Causeway Side) ..	J. Shepherd, Esq., C.E. ..	5	1	0	1110	...	69·66	...	...
w Burnley W.W. (Shedding)	J. Shepherd, Esq., C.E. ..	5	1	0	960	...	67·68	...	...
D Burnley W.W. (Cant Clough S. Side)	J. Shepherd, Esq., C.E. ..	5	1	0	903	...	63·91	247	208
D Burnley W.W. (Cant Clough N. Side)	J. Shepherd, Esq., C.E. ..	5	1	0	846	...	61·63	247	207
w Burnley W.W. (Rams Clough Head)	J. Shepherd, Esq., C.E. ..	5	1	0	1236	...	68·86	...	...
D Huncoat (Burnley Road Reservoir) ..	R. Jackson, Esq., B.Sc. ..	5	1	0	640	43·0	58·18	239	190
D Rishton (Sewage Works)	Surveyor ..	5	1	0	300	...	56·62	237	185
D Great Harwood (Parsonage Reservoir)	Blackburn Waterworks ..	8	1	0	631	40·7	53·41	243	187
D Great Harwood (Kebb Farm)	R. Jackson, Esq., B.Sc. ..	5	1	0	670	...	63·05	251	192
D BURNLEY (Queens Park)	Medical Officer of Health ..	8	1	0	458	...	55·76	221	187
D Burnley W.W. (Swinden) upper g. ..	J. Shepherd, Esq., C.E. ..	5	1	0	811	43·6	65·34	252	203
D Burnley W.W. (Swinden) lower g. ..	J. Shepherd, Esq., C.E. ..	5	1	0	745	44·3	60·91	252	203
w Burnley W.W. (Extwistle Moor Top)	J. Shepherd, Esq., C.E. ..	5	1	0	1308	...	67·83	...	...
d Padiham (Altham Sewage Works) ..	Water Engineer, Padiham ..	5	1	6	225	40·9	58·38	...	193
D Padiham (Huntroyde)	C. Russell Ingham, Esq. ..	5	1	0	430	41·1	58·47	241	198
D Longridge (Alston Reservoir) ..	Preston Waterworks ..	8	1	2	330	41·0	58·53	249	200
§Nelson (Red Spa Moor)	Nelson Corporation W.W. ..	5	1	0	1175	...	66·61	...	...
D §Nelson (Coldwell Reservoir) .. No. 3	Nelson Corporation W.W. ..	5	1	0	1060	...	66·47	257	209
D Nelson (Coldwell Reservoir) .. No. 2	Nelson Corporation W.W. ..	5	1	0	960	46·3	64·78	258	204
D Whalley (Calderstones Institution) ..	C. R. Iken, Esq.* ..	5	1	0	198	...	57·12	235	188
D Nelson (Sewage Works)	Nelson Corporation W.W. ..	5	1	0	359	...	60·67	243	198
D NELSON (Walton Lane) (+A)	Medical Officer of Health ..	5	1	0	540	40·6	57·36	240	193
D Ribchester Institution	E. G. Heaver, Esq.* ..	5	1	0	279	...	62·85	233	202
D STONYHURST College	Rev. J. Lawrence, S.J. ..	8	1	10	377	46·5	64·22	240	194
D Longridge (Cowley Brook)	Preston Waterworks ..	8	1	2	616	...	66·61	259	215
D Longridge (Spade Mill)	Preston Waterworks ..	8	1	2	374	41·7	61·78	243	201
D Longridge (Jeffrey Hill)	Preston Waterworks ..	8	1	2	900	47·3	66·11	...	...
D Sabden (Churn Clough Reservoir) ..	Water Engineer, Padiham ..	5	1	0	790	41·2	62·28	231	207
w Sabden (Craggs Dole)	Water Engineer, Padiham ..	8	1	0	1050	46·0	61·31	...	...
D §Barley (Ogden Reservoir)	Nelson Corporation W.W. ..	5	1	0	908	...	75·73	253	211
D §Pendle Hill (Buttock)	Nelson Corporation W.W. ..	5	1	0	1175	49·9	78·88	253	216
D Colne (Swinden Sewage Works) ..	Borough Engineer ..	5	1	0	423	42·0	54·59	240	190
D Colne (Judge Fields) (+A)	Borough Engineer ..	5	1	0	559	...	58·04	241	190
d Barrowford Reservoir	British Waterways ..	8	1	0	473	41·0	59·24	...	171
D Clitheroe (Higher Standen Cottage) ..	Lancashire River Board ..	5	1	0	340	...	63·20	239	186

*Per Lancashire River Board.

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CENTRAL LANCASHIRE—(contd.)									
1.—RIBBLE & C.—(contd.)									
§Nelson (Blackmoss Reservoir) ..	Nelson Corporation W.W.	5	1	0	825	...	72·21	...	...
Foulridge (Upper Reservoir) ..	British Waterways ..	5	1	0	582	40·5	59·11	...	...
Chatburn School ..	Headmaster ..	5	1	0	322	43·0	52·76	239	189
Clitheroe (Downham Hall) ..	Sir Ralph Assheton, Bart. ..	5	1	6	464	...	58·18	...	...
2.—RIBBLE. Douglas. 156 sq. mi.									
D Wigan W.W. (Billinge Higher End) ..	Borough Engineer ..	5	1	0	374	37·5	48·91	222	195
D Wigan (Grammar School) ..	Headmaster ..	5	1	0	120	...	48·71	232	183
d Wigan (Gidlow Sec. Mod. School) ..	Headmistress ..	5	1	0	150	...	48·15	...	...
D Wigan W.W. (Worthington) ..	Borough Engineer ..	5	1	0	225	35·4	50·75	245	193
D Horwich (Lower Rivington) ..	Liverpool Corpn. W.W. ..	5	1	0	440	38·7	58·24	252	200
Horwich (Gillsbrook Spring) ..	Liverpool Corpn. W.W. ..	5	1	0	598	...	60·67	...	...
M Rivington (Scotchman's Post) ..	Liverpool Corpn. W.W. ..	5	1	0	1425	...	63·67	...	...
M Rivington (Hordern Stoops) ..	Liverpool Corpn. W.W. ..	5	1	0	1065	...	64·52	...	...
Rivington (Brown Hill) ..	Liverpool Corpn. W.W. ..	5	1	0	727	...	62·22	...	...
D §Rivington (Stones House) ..	Liverpool Corpn. W.W. ..	5	1	0	640	...	58·95	262	211
M Rivington (Round Loaf) ..	Liverpool Corpn. W.W. ..	5	1	0	970	...	62·16	...	...
||Rivington (Great Hill) ..	Liverpool Corpn. W.W. ..	5	1	0	1240	...	67·24	...	...
||Rivington (Coppice Stile) ..	Liverpool Corpn. W.W. ..	5	1	0	879	...	60·50	...	...
M Rivington (Pimms) ..	Liverpool Corpn. W.W. ..	5	1	0	987	...	74·95	...	...
M Rivington (Gamekeeper's) ..	Liverpool Corpn. W.W. ..	5	1	1	850	45·4	67·35	...	...
D Mawdesley ..	Lancashire River Board ..	5	1	0	69	...	47·24	245	193
Chorley (Filter Beds) ..	Liverpool Corpn. W.W. ..	8	1	0	430	...	56·67	...	...
D Chorley (Common Bank Sew. Wks.) ..	E. R. Jones, Esq. ..	5	1	0	187	...	50·30	245	194
D Chorley (Cowling Sewage Works) ..	Borough Engineer ..	5	1	0	262	...	55·64	244	198
3.—COAST STREAMS. 52 sq. mi.									
D Formby (Freshfield Road) ..	J. Coney, Esq. ..	5	0	9	30	29·8	45·56	232	178
D SOUTHPORT (Bedford Road Park) (+A)	Borough Council ..	5	1	0	35	32·0	45·87	225	174
D Rufford (Pulmonary Hospital) ..	Head Gardener* ..	5	1	0	38	...	44·37	219	177
D Southport (Hesketh Park) .. (+A)	Borough Meteorologist ..	8	1	0	42	32·0	44·48	226	169
D Southport (Marshside) ..	Borough Meteorologist ..	5	1	0	18	...	40·47	223	163
D Crossens (Pumping Station) ..	L. J. Lepine, Esq. ..	5	0	4	15	...	42·87	223	191
4.—OUSE. Aire. 2 sq. mi.									
d Watersheddes Reservoir ..	G. E. V. Boldry, Esq., C.E. ..	5	1	0	1115	...	68·02	...	...
d Foulridge (Canal Office) ..	British Waterways ..	5	1	0	497	43·5	59·62	...	...
NORTH LANCASHIRE. (Area, 609 sq. mi.)									
1.—DUDDON & C. 77 sq. mi.									
D Barrow-in-Furness (Gasworks) ..	Water Engineer, Barrow ..	5	1	0	17	37·6	49·43	208	171
D Barrow-in-Furness (Sew. Wks.) (+A)	J. N. Flitcroft, C.E. ..	5	1	0	20	39·3	52·80	226	187
Barrow-in-Furness (Risedale School)	Headmaster ..	5	1	0	55	...	53·57	...	...
D Barrow-in-Furness (Abbey Road) ..	P. M. Rainey, Esq. ..	5	1	0	135	...	53·91	192	175
D Little Urswick (North View) ..	Miss I. Dobson ..	5	1	0	130	44·4	64·94	246	192
D URSWICK Vicarage ..	Rev. M. D. Grieve ..	5	1	0	130	...	62·47	248	191
D Dalton-in-Furness (Dowdales) ..	R. Kitchin, Esq. ..	5	1	10	150	...	62·67	234	182
D Ulverston (Poaka Beck) ..	Water Engineer, Barrow ..	5	1	0	512	52·1	71·05	243	197
w §Duddon Valley (Seathwaite Tarn) ..	Water Engineer, Barrow ..	5	1	0	1221	97·5	130·53	...	...
2.—LEVEN & C. 135 sq. mi.									
D Ulverston (Pengwerne) ..	Mrs. A. M. Chapman ..	5	1	2	124	50·1	77·51	245	199
D Ulverston (Park Road) ..	E. Satterthwaite Esq. ..	5	1	0	50	...	69·65	242	189

§ Turf wall round gauge.

|| Gauge over-exposed.

* Per Lancashire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
NORTH LANCASHIRE—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
2.—LEVEN & C.—(contd.)									
D Haverthwaite (Outwood)	Sir Bryan Fell, K.C.M.G.*	5	1	0	65	53·5	80·25	239	212
D Haverthwaite	Lancashire River Board ..	5	1	0	43	...	78·43	241	196
D Newby Bridge (Fell Foot)	P. S. Rhodes, Esq.* ..	5	1	0	175	...	82·31	248	210
D Cartmel Fell (Tower Wood)	Windermere U.D.C. ..	5	1	0	150	...	86·57	242	209
Cartmel Fell (Ghyll Head Reservoir)	F. C. Needham, Esq. ..	8	1	0	420	63·1	89·72	...	...
D Coniston (Holywath)	Major J. W. B. Hext ..	8	0	9	250	94·2	143·18	261	228
d Near Sawrey (Ferry House)	Freshwater Biological Assoc.	5	1	0	145	...	90·51	...	...
D Far Sawrey (Righting House)	M. Illingworth, Esq. ..	5	0	6	440	...	88·73	248	211
D Hawkshead (Wraymires Fisheries) ..	Freshwater Biological Assoc.	5	1	0	271	...	95·89	239	209
D ||High Wray (Huyton Hill School) ..	Freshwater Biological Assoc.	5	9	0	129	...	102·95	219	204
3.—KENT & C. 45 sq. mi.									
d Heysham Harbour	British Railways	5	1	0	36	34·7	52·61	...	...
D MORECAMBE	Town Clerk	5	1	0	23	37·0	53·44	193	175
D Morecambe (Stuart Avenue)	H. W. Apperley, Esq. ..	5	1	0	18	...	55·64	237	183
D Morecambe (Bare Lane)	K. M. Wolstencroft, Esq. ..	5	0	11	20	...	54·25	227	181
D Carnforth (Pedder Pots Reservoir) ..	L. Lyons, Esq., C.E. ..	5	1	0	268	...	68·06	245	200
D Lindale (Ellerhow)	Lady Tomlinson	5	1	0	300	51·4	70·30	249	196
4.—LUNE. 135 sq. mi.									
D Hampson-in-Ellel	John Welch, Esq.	5	1	0	145	38·3	55·23	228	188
Bowland Forest (High Salter)	Lancashire River Board ..	5	1	0	1014	...	89·10	...	...
D Lancaster (Blea Tarn Reservoir)	L. Lyons, Esq., C.E. ..	5	1	0	330	...	68·34	238	201
d Lancaster (Stodday)	L. Lyons, Esq., C.E. ..	5	1	0	25	...	52·03	212	170
d Lancaster (Lune Aqueduct)	British Waterways	8	1	0	74	38·4	63·57	...	...
D Hornby (The Snab)	A. T. Storey, Esq.	5	1	0	110	...	75·87	210	196
5.—WYRE & C. 213 sq. mi.									
D Weeton Reservoir	Fylde Water Board	5	1	0	133	36·6	53·84	239	194
D Fulwood W.W. (Haighton Reservoir) ..	Lancashire River Board ..	5	1	0	264	...	57·17	234	185
D KIRKHAM (Esprick)	Director, Fairfield E.H. Stn.	5	1	0	78	...	51·03	227	181
D St. Michael's-on-Wyre	E. W. Hornby, Esq.	5	1	0	26	36·0	51·79	218	172
D Fulwood W.W. (Barnsfold Reservoir) ..	Lancashire River Board ..	5	1	0	508	...	67·43	259	197
D Thornton (Council Offices)	H. Anderson, Esq.	8	1	6	15	...	55·34	226	176
D Preesall (Pumping Station)	Lancashire River Board ..	5	1	0	30	...	49·74	219	180
D FLEETWOOD (Memorial Park)	Town Clerk	5	1	0	21	...	49·71	209	175
D Garstang (Barnacre Reservoir)	Fylde Water Board	5	1	2	616	45·7	70·92	250	208
D Garstang (Grizedale Reservoir)	Fylde Water Board	5	1	0	517	43·6	62·69	249	198
Garstang (Calder Intake)	Fylde Water Board	5	1	0	632	46·6	71·57	...	...
D Garstang (Scorton)	W. G. Richmond, Esq. ..	5	1	0	92	...	60·43	226	199
Garstang (Grizedale Intake)	Fylde Water Board	5	1	0	644	46·6	68·53	...	...
D Wyresdale (Abbeystead Reservoir) ..	L. Lyons, Esq., C.E. ..	5	1	0	366	47·9	78·27	239	219
D Abbeystead Gardens	Mr. George Penk	5	1	0	420	50·1	73·79	245	203
D Damas Ghyll Reservoir	L. Lyons, Esq., C.E. ..	5	1	0	590	...	72·63	239	202
Quernmore (Old Gauge Basin)	L. Lyons, Esq., C.E. ..	8	1	0	963	46·1	79·82	...	...
Quernmore (Hare Syke)	L. Lyons, Esq., C.E. ..	5	1	0	1610	69·3	102·82	...	...
6.—INSULAR. 4 sq. mi.									

DIVISION IX—YORKSHIRE

WEST RIDING. (Area, 2,803 sq. mi.)

1.—LUNE. 178 sq. mi.									
D High Bentham (Inglefield)	Geoffrey Holmes, Esq. ..	5	1	0	412	...	66·39	249	191
d Sedbergh (Brigflatts)	The Misses Wilson	5	1	0	305	53·0	83·14	246	204
d Sedbergh School	H. Dawson, Esq.	5	1	0	400	...	76·81	251	211

* Under auspices of Freshwater Biological Association.

|| Site unorthodox.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
WEST RIDING—(contd.)		in.	ft.	in.	ft.	in.	in.		
2.—RIBBLE. 225 sq. mi.									
D Colne (Lower Coppy)	L. Broughton, Esq., C.E. ..	5	1	7	975	...	58·14	251	200
D Colne (Laneshaw Reservoir) ..	L. Broughton, Esq., C.E. ..	5	1	9	795	...	57·09	252	201
d Barnoldswick (County Sec. School) ..	C. R. Nutter, Esq. ..	5	1	0	567	...	54·80	250	198
D Barnoldswick (Greenberfield) ..	British Waterways ..	8	1	0	488	41·5	48·27	204	180
Slaidburn (Hareden Fell)	Preston Waterworks ..	8	1	2	1300	...	111·07	...	...
D Slaidburn (Hareden Valley) ..	Preston Waterworks ..	8	1	2	563	68·3	102·43	280	214
D Slaidburn (Langden Brook) ..	Preston Waterworks ..	8	1	2	559	68·6	107·59	274	227
Slaidburn (Holdron Moss)	Preston Waterworks ..	8	1	2	1300	...	112·39	...	...
D Slaidburn (Dunsop Houses) ..	Blackburn Waterworks ..	8	1	2	450	62·9	93·69	219	210
D Slaidburn (Footholme)	Blackburn Waterworks ..	8	1	4	565	62·2	91·71	216	211
M Slaidburn (Middle Knoll) ..	Blackburn Waterworks ..	5	1	0	1288	67·5	106·50	...	...
d Slaidburn (Brennand)	Blackburn Waterworks ..	8	1	3	820	68·3	102·40	...	207
D Slaidburn (Croasdale House) ..	Fylde Water Board ..	5	0	9	600	56·7	85·68	253	210
D Slaidburn (Stocks)	No. 10 Fylde Water Board ..	5	1	0	658	56·0	83·58	251	211
D Slaidburn (Stocks)	No. 11 Fylde Water Board ..	5	1	0	629	...	81·89	251	214
D Slaidburn (Phynis)	Fylde Water Board ..	5	1	0	572	...	82·46	248	210
M Slaidburn (Croasdale Valley) ..	Fylde Water Board ..	5	1	1	720	61·3	98·12	...	...
d Slaidburn (Whitendale)	Blackburn Waterworks ..	8	1	6	830	70·0	96·74	216	208
M Slaidburn (Dalehead)	Fylde Water Board ..	5	1	0	610	...	83·41	...	...
M Slaidburn (Holme House) ..	Fylde Water Board ..	5	1	0	601	...	86·37	...	...
M Slaidburn (Far Barn)	Fylde Water Board ..	5	1	0	690	...	79·86	...	...
M Slaidburn (Cabin Hill)	Blackburn Waterworks ..	5	1	0	1559	68·5	101·25	...	...
M Slaidburn (Baxton Fell) ..	Blackburn Waterworks ..	5	1	0	1525	75·8	108·90	...	...
M Slaidburn (Collyholme) ..	Fylde Water Board ..	5	1	0	650	...	85·33	...	...
M Settle (Slack)	Fylde Water Board ..	5	1	0	780	...	76·80	...	...
M Settle (Swire Clough)	Fylde Water Board ..	5	1	0	1224	...	83·50	...	...
M Settle (Greet Bridge)	Fylde Water Board ..	5	1	0	825	...	103·14	...	...
D Settle (Gasworks)	A. Smalley, Esq. ..	8	2	6	450	43·9	61·08	207	192
D Giggleswick (Belfield)	E. H. Horner, Esq. ..	5	1	0	600	...	58·07	228	203
d Horton-in-Ribblesdale	Lancashire River Board ..	5	1	0	800	...	66·70	...	...
D Ribbleshead (Station)	British Railways, for M.O. ..	5	1	0	1025	...	109·14	253	217
3.—MERSEY. Irwell. 2 sq. mi.									
D Oldham (Strinesdale)	C. Busfield, Esq., C.E. ..	5	1	0	791	42·8	58·88	259	198
4.—MERSEY. Upper. 35 sq. mi.									
w Greenfield (Chew, Blindstones) ..	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1745	...	77·70	...	...
w Greenfield (Chew Great Gruff) ..	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1650	...	76·29	...	...
D Greenfield (Chew Mount)	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1578	50·7	78·56	249	228
w Greenfield (Chew Reservoir) ..	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1648	...	80·06	...	...
w Greenfield (Chew Sluice)	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1670	...	77·15	...	...
D Greenfield (Sewage Disposal Works)	Manager ..	5	1	1	499	42·0	61·47	261	205
D Greenfield (Yeoman Hey)	M. T. B. Whitson, Esq., C.E. ..	5	1	0	784	49·1	70·95	258	218
w Greenfield (Ashway Moss)	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1581	...	73·25	...	...
w Greenfield (Birchen Clough) ..	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1018	51·4	71·11	...	...
w Greenfield (Upperwood Moor) ..	M. T. B. Whitson, Esq., C.E. ..	5	1	0	1518	...	72·38	...	...
d Saddleworth Station	British Waterways ..	5	1	0	574	45·4	66·56	...	...
D Standedge (Castle Shaw Broadhead) ..	C. Busfield, Esq., C.E. ..	8	1	0	857	51·5	65·82	266	219
D Denshaw (Ox Hey)	C. Busfield, Esq., C.E. ..	8	1	0	1031	47·1	64·36	267	206
D Denshaw (Crawshaw Hey)	C. Busfield, Esq., C.E. ..	8	1	0	956	47·0	63·06	267	210
D Denshaw (New Year's Bridge) ..	C. Busfield, Esq., C.E. ..	8	1	0	986	...	61·07	267	...
5.—TRENT. Derwent. 9 sq. mi.									
D Burbage (Parson's House)	Sheffield Corporation W.W. ..	8	1	0	1307	36·1	43·01	251	180
Burbage (Higger Lodge)	Sheffield Corporation W.W. ..	5	1	2	1225	36·8	44·81	...	...
§Burbage (Upper Burbage)	Sheffield Corporation W.W. ..	5	1	0	1364	38·1	48·23	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	Ground	above			·01 in. or more	·04 in. or more
			above	above	Sea Level				
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.)									
5.—TRENT. Derwent—(contd.)									
Derwent Dale (Howden Dean) No. 72	Derwent Valley Water Bd.	5	1	0	960	...	62·05	...	...
§Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd.	5	1	0	1010	44·4	59·39	...	...
Derwent Dale (Sandy Lee) .. No. 7A	Derwent Valley Water Bd.	5	1	0	1320	...	66·55	...	...
6.—TRENT. Left Bank Tributaries. 143 sq. mi.									
D Tickhill (Dadsley Road) ..	K. G. Brown, Esq. ..	5	1	0	60	...	28·37	193	132
D Austerfield (Pumping Station) ..	Doncaster & Tickhill W. Bd.	8	1	0	32	...	26·55	183	126
D Rossington (Main Colliery) ..	National Coal Board ..	5	1	0	22	...	28·07	175	131
D Balby (Sewage Works) ..	(+A) M. Cawley, Esq., C.E. ..	5	1	0	29	...	26·79	173	129
D Doncaster (Low Pasture Pumping Stn.)	M. Cawley, Esq., C.E. ..	5	1	0	24	...	26·70	177	124
7.—OUSE. Don. 574 sq. mi.									
Burbage (Badger House) ..	Sheffield Corporation W.W.	5	1	0	1138	...	47·16	...	...
D Woodhouse (Coisley Hill Works) ..	J. H. Edmondson, Esq. ..	5	1	0	243	...	36·47	245	152
D Sheffield W.W. (Redmires Res.) (R)	Sheffield Corporation W.W.	10	5	0	1110	40·3	52·65	254	190
D Sheffield W.W. (Redmires Res.) ..	Sheffield Corporation W.W.	5	1	0	1110	41·0	52·65	253	192
Rivelin (Oaking Clough) ..	Sheffield Corporation W.W.	8	1	0	1165	39·8	52·14	...	...
Rivelin (Oaking Clough) .. No. 2	Sheffield Corporation W.W.	5	1	3	1185	...	56·48	...	...
Rivelin (Middle Moss) ..	Sheffield Corporation W.W.	5	1	0	1168	41·0	56·61	...	...
D Sheffield W.W. (Rivelin) ..	(+A) Sheffield Corporation W.W.	8	1	0	564	35·2	47·00	229	165
Sheffield W.W. (Black Clough) ..	Sheffield Corporation W.W.	5	1	0	1175	40·3	57·02	...	...
D Sheffield W.W. (Crookes) ..	Sheffield Corporation W.W.	5	1	0	629	31·0	41·19	235	172
D SHEFFIELD (Weston Park) ..	Borough Council ..	5	1	0	428	30·4	38·67	217	149
Loxley Valley (Crawshaw Wood) ..	Sheffield Corporation W.W.	5	1	0	1175	...	53·70	...	...
Loxley Valley (Broadcar) ..	Sheffield Corporation W.W.	5	1	0	1004	44·4	56·19	...	...
Loxley Valley (Oakes Fm., Damflask)	Sheffield Corporation W.W.	5	1	0	650	36·1	50·61	...	...
Loxley Valley (Loftshaw Strines) ..	Sheffield Corporation W.W.	5	1	0	1003	43·2	54·13	...	...
D Loxley Valley (Bradfield Filters) ..	Sheffield Corporation W.W.	8	1	0	551	...	50·60	246	184
D Loxley Valley (Dale Dike Reservoir) ..	Sheffield Corporation W.W.	8	1	0	715	41·9	55·42	253	194
Loxley Valley (Brogging Moss) ..	Sheffield Corporation W.W.	5	1	0	1360	...	65·72	...	...
Loxley Valley (Thornseat) ..	Sheffield Corporation W.W.	5	1	0	1326	42·6	58·53	...	...
Loxley Valley (Rocher Flat) ..	Sheffield Corporation W.W.	5	1	0	1106	...	49·53	...	...
Loxley Valley (Emlin Moor) ..	Sheffield Corporation W.W.	5	1	0	998	41·3	55·62	...	...
§Loxley Valley (White Lee Moor) ..	Sheffield Corporation W.W.	5	1	0	1170	...	54·07	...	...
Loxley Valley (Hobson Moss) ..	Sheffield Corporation W.W.	5	1	0	1530	...	60·92	...	...
d Rotherham (Ulley Reservoir) .. No. 2	E. J. Manson, Esq., C.E. ..	5	1	0	184	23·4	29·00	...	131
d Rotherham (Ulley Reservoir) .. No. 3	E. J. Manson, Esq., C.E. ..	5	1	0	132	23·2	30·02	...	131
D Wincobank (Sewage Works) ..	J. H. Edmondson, Esq. ..	5	1	6	110	23·0	30·49	193	136
D ROTHERHAM (Broom Lane) ..	L. Atkinson, Esq. ..	5	1	0	284	...	30·68	208	134
D Rotherham (Ramsden Road) ..	H. V. Radcliffe, Esq. ..	5	1	0	180	...	30·13	193	129
d Rotherham (Kimberworth School) ..	E. J. Manson, Esq., C.E. ..	5	1	0	285	24·7	29·34	...	126
D Rotherham (Aldwarke Sew. Wks.)(+A)	E. J. Manson, Esq., C.E. ..	5	3	0	70	...	28·77	183	128
D Rotherham (Thrybergh) ..	M. Cawley, Esq., C.E. ..	8	1	0	184	23·8	31·40	209	137
D Rotherham (Thorpe Hesley) ..	E. J. Manson, Esq., C.E. ..	5	1	0	201	...	33·52	193	143
d Grenoside (Council Offices) ..	Wortley R.D.C. ..	5	1	0	560	...	36·93	...	...
D Conisborough (Firsby Reservoir) ..	M. Cawley, Esq., C.E. ..	8	1	3	189	26·1	30·27	200	130
§Ewden (Middle Moss) ..	Sheffield Corporation W.W.	5	1	2	1600	51·0	68·52	...	...
Ewden (Broomhead Moor) ..	Sheffield Corporation W.W.	5	1	2	1370	47·8	62·28	...	...
D Ewden (Canyard Brook) ..	Sheffield Corporation W.W.	5	1	0	585	...	49·83	232	178
Ewden (Candle Rush) ..	Sheffield Corporation W.W.	5	1	0	1400	...	68·33	...	...
Ewden (Broomhead Hall) ..	Sheffield Corporation W.W.	5	1	0	900	42·1	50·24	...	...
D Ewden (More Hall Reservoir) ..	Sheffield Corporation W.W.	8	1	0	408	33·9	40·36	223	152
D Ewden (Broomhead Reservoir) ..	Sheffield Corporation W.W.	5	1	0	484	...	46·53	230	168
M Ewden (Margery Hill) ..	Sheffield Corporation W.W.	5	1	0	1784	52·3	70·21	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.)									
7.—OUSE. Don—(contd.)									
M Ewden (Brown Edge)	Sheffield Corporation W.W.	5	1	0	1325	50.5	63.82	...	...
D Mexborough	Surveyor U.D.C.	5	1	6	77	23.4	25.67	171	122
D Wortley (Service Reservoir)	W. G. Lees, Esq., C.E. ..	5	1	0	700	30.0	37.96	239	149
D Midhope Moor (Barnside)	W. G. Lees, Esq., C.E. ..	5	1	0	1000	43.4	62.44	243	194
M Little Don Valley (Laund Clough) ..	Sheffield Corporation W.W.	5	1	0	1515	...	75.78	...	...
D Little Don Valley (Underbank Res.)	Sheffield Corporation W.W.	8	1	0	604	36.8	45.51	229	166
§ Little Don Valley (Brockholes) ..	Sheffield Corporation W.W.	5	1	2	902	37.6	43.30	...	...
Little Don Valley (Sheep House) ..	Sheffield Corporation W.W.	5	1	2	945	34.6	41.81	...	...
D Langsett Moor (Midhope)	W. G. Lees, Esq., C.E. ..	5	1	0	823	...	53.71	237	177
D Langsett Moor (Upper Midhope) ..	Sheffield Corporation W.W.	8	1	6	925	41.6	50.19	251	182
§ Langsett Moor (Mickleden)	Sheffield Corporation W.W.	5	1	0	1217	48.0	62.17	...	...
Langsett Moor (Mickleden Edge) ..	Sheffield Corporation W.W.	5	1	2	1110	50.3	68.00	...	...
Langsett Moor (Catclough)	Sheffield Corporation W.W.	8	1	0	1516	47.8	70.08	...	...
§ Langsett Moor (Fiddlers Green) ..	Sheffield Corporation W.W.	5	1	0	1493	48.7	70.37	...	...
Langsett Moor (Fiddlers Green) check	Sheffield Corporation W.W.	5	1	0	1480	49.1	68.70	...	...
§ Dunford Bridge (Brown's Clough) ..	D. E. Strachan, Esq., C.E.	5	1	0	1405	...	84.90	...	...
Langsett Moor (Border Hill)	Sheffield Corporation W.W.	5	1	0	1148	46.9	60.31	...	...
D Langsett Moor (Swinden Lodge) ..	Sheffield Corporation W.W.	8	1	0	1032	44.0	53.24	249	194
D Langsett Reservoir (+A)	Sheffield Corporation W.W.	5	1	0	820	...	49.60	238	179
D Langsett Moor (Flouch Road) ..	Sheffield Corporation W.W.	8	1	0	960	42.2	53.49	249	185
D Wath-upon-Deerne (Wath Wood Res.)	Water Engineer	5	0	8	330	...	28.47	196	133
w § Hazelhead (Town Brook Intake) ..	W. G. Lees, Esq., C.E. ..	5	1	0	1037	...	61.63	...	...
w § Dunford Bridge (Long Grain) ..	W. G. Lees, Esq., C.E. ..	5	1	0	1125	...	65.59	...	...
D § Wogden Foot (Cat Clough)	W. G. Lees, Esq., C.E. ..	5	1	0	889	...	60.75	218	180
D Doncaster (Pumping Station) ..	M. Cawley, Esq., C.E. ..	5	1	0	31	...	27.91	188	131
§ Dunford Bridge (Dearden Moss) ..	D. E. Strachan, Esq., C.E.	5	1	0	1500	...	82.60	...	...
D Dunford Bridge (Stoney Gate) ..	D. E. Strachan, Esq., C.E.	5	1	0	1086	...	69.00	249	204
§ Dunford Bridge (End Springs) ..	D. E. Strachan, Esq., C.E.	5	1	0	1450	...	86.85	...	...
D § Dunford Bridge Reservoir	D. E. Strachan, Esq., C.E.	5	1	0	1081	...	71.32	250	204
Dunford Bridge (Grains Plantations)	D. E. Strachan, Esq., C.E.	5	1	0	1150	...	68.95	...	...
§ Dunford Bridge (Swines Clough Moss)	D. E. Strachan, Esq., C.E.	5	1	0	1503	...	88.55	...	...
d Wombwell (Broomhill W.W.) ..	Deerne Valley Water Bd.	5	1	6	75	...	28.47	...	...
D § Dunford Bridge (Harden)	D. E. Strachan, Esq., C.E.	5	1	0	1204	...	69.76	249	207
§ Dunford Bridge (Reaps Slack) ..	D. E. Strachan, Esq., C.E.	5	1	0	1490	...	84.10	...	...
D Barnsley (Worsborough Bridge) ..	Engineer and Surveyor ..	5	1	6	150	...	29.64	213	127
d Darfield (Sewage Works)	Surveyor	5	1	0	83	...	29.07	...	...
D § Penistone (Royd Moor)	W. G. Lees, Esq., C.E. ..	5	1	0	835	...	45.01	233	182
M Penistone (Gringley Carr)	W. G. Lees, Esq., C.E. ..	5	1	0	1090	...	52.10	...	...
D Penistone (Ingbirchworth Reservoir)	W. G. Lees, Esq., C.E. ..	5	1	0	853	...	47.16	220	176
Penistone (Spicer House)	W. G. Lees, Esq., C.E. ..	5	1	0	985	...	49.05	...	...
D § Penistone (Broadstone Reservoir)	W. G. Lees, Esq., C.E. ..	5	1	0	1030	...	55.14	235	185
w Hepworth (Pottersgate House) ..	W. G. Lees, Esq., C.E. ..	5	1	0	1165	...	52.61	...	...
d Barnsley (Queens Road)	Borough Engineer	5	1	0	310	...	30.06	...	...
D Doncaster (Bentley Works)	Research Engineer	5	1	0	28	...	26.35	187	125
D Barnsley (Jordan Hill)	W. G. Lees, Esq., C.E. ..	5	1	0	460	26.2	31.29	204	126
D Doncaster (Sandall Works)	M. Cawley, Esq., C.E. ..	5	1	0	41	...	26.92	182	130
D Bentley Colliery	National Coal Board ..	5	1	0	23	...	27.41	182	126
D Cawthorne (Cannon Hall)	J. M. Spencer Stanhope, Esq.	5	0	7	350	29.1	34.85	216	151
D Barnsley (Burntwood Hall)	R. Dymond, Esq.	5	1	0	378	25.9	33.06	193	130
D Kirk Bramwith	C. E. Farran, Esq., C.E. ..	5	2	6	22	23.2	23.88	189	118
D Thorne	Yorkshire Ouse River Board	5	1	0	15	...	26.50	190	130
D Hemsworth (Fitzwilliam)	Hemsworth & U.K. Coke Oven Co. Ltd.	5	1	6	246	24.0	26.41	176	138
D Featherstone (Sec. Modern School) ..	F. Corbett, Esq.	5	1	0	195	...	27.66	227	132
D Rawcliffe (Black Drain Pumping Stn.)	G. H. Simmons, Esq. ..	5	0	10	10	...	24.99	187	130

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
WEST RIDING—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
8.—OUSE. Aire. Calder. 361 sq. mi.									
D Great Hey	H. P. Joyce, Esq., C.E. ..	5	1	0	1200	...	87·48	261	220
D Hey Springs	H. P. Joyce, Esq., C.E. ..	5	1	0	1100	...	77·71	260	207
D Holmbridge (Yateholme)	H. P. Joyce, Esq., C.E. ..	5	1	0	1009	59·2	79·89	261	214
D Holmbridge (Lightens Road) ..	H. P. Joyce, Esq., C.E. ..	5	1	6	1473	...	84·69	...	...
D Holmbridge (Ramsden)	H. P. Joyce, Esq., C.E. ..	5	1	0	861	56·4	74·57	260	207
D Holmbridge (Bilberry Reservoir) ..	J. P. Beveridge, Esq., C.E.	5	1	0	970	...	63·53	...	...
D Holmfirth (Holme Styas Reservoir) ..	Water Engineer	5	2	0	925	45·7	56·31	269	198
D Holmfirth (Boshaw Whams Reservoir)	J. P. Beveridge, Esq., C.E.	5	1	0	930	...	56·37	...	...
M §Hepworth (Spring Head)	W. G. Lees, Esq., C.E. ..	5	1	0	1165	...	51·60	...	...
d Holmfirth (Snape Reservoir)	Water Engineer	5	2	0	1075	...	57·91	...	...
d Meltham (Harden Moss)	J. P. Beveridge, Esq., C.E.	8	1	0	1212	...	65·43	...	...
d Wessenden Head	J. P. Beveridge, Esq., C.E.	8	1	0	1200	...	70·45	...	...
d Wessenden (Holly Bank Moss) ..	J. P. Beveridge, Esq., C.E.	8	1	0	1280	...	70·03	...	...
d Wessenden (Old Reservoir)	J. P. Beveridge, Esq., C.E.	8	1	0	940	...	67·46	...	...
d Stanedge (Redbrook Reservoir) ..	British Waterways	5	1	0	1150	...	69·27	...	...
d Wessenden (Butterley Moss)	J. P. Beveridge, Esq., C.E.	8	1	0	1110	...	70·31	...	...
§Wessenden (Bobus)	J. P. Beveridge, Esq., C.E.	8	1	0	1200	...	67·67	...	...
d Meltham (Brow Grains)	J. P. Beveridge, Esq., C.E.	8	1	0	900	45·0	63·36	251	193
d Meltham Grange	J. P. Beveridge, Esq., C.E.	8	1	0	850	42·9	60·68	251	191
d ||Marsden Reservoir	British Waterways	5	1	0	657	50·5	68·02	...	...
d Marsden (Deerhill)	J. P. Beveridge, Esq., C.E.	8	1	0	1149	45·0	64·23	265	206
D Slaithwaite (Blackmoorfoot) ..	J. P. Beveridge, Esq., C.E.	8	1	0	800	43·1	52·18	250	187
D Slaithwaite (Deanhead Reservoir)	J. P. Beveridge, Esq., C.E.	5	1	0	1007	...	67·29	...	...
D HUDDERSFIELD (RAVENSKNOWLE)	Corporation	8	1	0	325	...	38·84	210	156
D HUDDERSFIELD (OAKES)	S. Morris Bower, Esq., for M.O.	5	1	0	761	34·9	46·99	252	173
w Moss Moor (Linsgreave)	Wakefield Corp'n. W.W. ..	5	1	0	1264	52·3	71·55	...	...
D Rishworth (Great Wolden Edge) ..	Wakefield Corp'n. W.W. ..	5	1	0	1135	49·3	69·57	273	222
w Rishworth (Long Clough)	Wakefield Corp'n. W.W. ..	5	1	0	1010	52·8	65·05	...	...
w Rishworth (Stott Hall)	Wakefield Corp'n. W.W. ..	5	1	0	935	46·8	57·98	...	...
D Rishworth Lodge	Wakefield Corp'n. W.W. ..	5	0	11	950	...	63·38	257	211
D Rishworth (Green Withens Reservoir)	Wakefield Corp'n. W.W. ..	5	1	0	1205	48·2	63·23	262	216
w Rishworth (Pike End)	Wakefield Corp'n. W.W. ..	5	1	0	1225	48·3	64·29	...	...
D Rishworth (Ringstone Res.) lower	Wakefield Corp'n. W.W. ..	5	1	0	962	46·9	59·46	243	194
w Soyland Moor (Greystones)	Wakefield Corp'n. W.W. ..	5	1	0	1192	52·6	66·73	...	...
D Soyland Moor (Rishworth Drain) ..	C. Busfield, Esq., C.E. ..	8	1	0	1301	52·9	60·49	266	213
w Soyland Moor (Waystone Drain) ..	Wakefield Corp'n. W.W. ..	5	0	11	1200	...	74·08	...	...
w Soyland Moor (Summit) East	Wakefield Corp'n. W.W. ..	5	0	11	1218	52·9	67·97	...	...
D Soyland Moor (Stansfield Hey) (+A)	Wakefield Corp'n. W.W. ..	5	1	0	700	43·3	54·29	244	192
w Soyland Moor (Baitings)	Wakefield Corp'n. W.W. ..	5	1	0	943	51·4	63·14	...	...
D Soyland Moor (Byron Edge)	C. Busfield, Esq., C.E. ..	8	1	0	1251	48·3	68·60	265	206
w Soyland Moor (Manshead)	Wakefield Corp'n. W.W. ..	5	1	0	1225	51·6	72·85	...	...
w Soyland Moor (Turvin 1)	Wakefield Corp'n. W.W. ..	5	1	0	1201	...	65·08	...	...
w Soyland Moor (Turvin 2)	Wakefield Corp'n. W.W. ..	5	1	0	996	...	63·35	...	...
D Walsden (White Holme)	C. Busfield, Esq., C.E. ..	8	1	0	1240	...	64·00	265	204
D §Walsden (Calf Lee)	Rochdale Corporation ..	8	1	0	960	...	64·97	240	213
D Horbury (Town Hall)	E. F. Richley, Esq.	5	1	6	250	23·3	28·88	209	130
D Wakefield (Sewage Works)	Yorkshire Ouse River Board	5	1	0	80	...	27·64	199	134
D WAKEFIELD (Clarence Park)	Corporation	5	1	0	115	25·4	28·93	193	134
D Normanton (Haw Hill Park)	Surveyor, U.D.C.	8	1	1	136	23·3	27·24	202	131
D Castleford (Cutsyke)	Allan Quarmby, Esq.	5	1	0	100	...	30·95	206	136
w Walsden (Ramsden Hill)	Rochdale Corporation ..	5	1	0	1326	52·0	78·75	...	...
D Todmorden (Gorpley Reservoir) ..	Borough Engineer	5	1	3	900	...	78·12	260	212
D Todmorden (Fielden Hospital) ..	L. A. Crabtree, Esq.	5	1	0	650	...	65·71	275	205
d Todmorden (Lower Laith)	D. A. Lord, Esq., F.R.Met.S.	5	1	0	500	...	64·67	261	199

|| Site unorthodox.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.)									
8.—OUSE. Aire. Calder—(contd.)									
d Halifax (Public Library) ..	Librarian ..	8	1	0	625	34.3	44.09	231	170
d Dewsbury (Mitchell Laithes Sew. Wks.)	Manager ..	5	1	0	115	...	31.96	215	151
d Dewsbury (Municipal Offices) ..	(+A) Borough Engineer ..	5	1	6	225	...	29.51	184	138
d Dewsbury (Crow Nest Park) ..	Superintendent of Parks ..	8	1	0	300	...	29.88	201	153
d Heckmondwike (The Bottoms) ..	Spenborough U.D.C. ..	5	1	0	165	...	33.02	210	146
d Batley (Staincliffe Reservoir) ..	H. P. Joyce, Esq., C.E. ..	5	1	0	492	25.3	32.77	198	149
d Ardsley (Jaw Hill Filters) ..	Wakefield Corpn. W.W. ..	5	1	0	315	25.8	29.66	183	146
d Ardsley Reservoir (Upper) ..	Wakefield Corpn. W.W. ..	5	0	9	395	25.4	29.75	208	145
d Halifax W.W. (Albert Reservoir)	A. L. Gray, Esq., B.Sc. ..	5	1	0	795	35.3	50.14	255	179
d Todmorden (Eastwood Sew. Wks.)	Manager ..	5	1	0	368	...	63.32	246	198
d Mytholmroyd (Redacre) ..	C. H. Brock, Esq., C.E. ..	5	1	0	315	...	57.88	241	186
d Halifax W.W. (Ramsden Wood) ..	A. L. Gray, Esq., B.Sc. ..	5	1	0	815	38.3	55.89	243	190
d Halifax W.W. (Castle Carr Lodge) ..	A. L. Gray, Esq., B.Sc. ..	5	1	0	1060	42.6	56.75	233	193
w Halifax W.W. (Gorple Res.) .. No. 2	A. L. Gray, Esq., B.Sc. ..	5	1	0	1275	...	73.34	...	...
w Halifax W.W. (Coppay) ..	A. L. Gray, Esq., B.Sc. ..	5	1	0	1141	...	74.35	...	...
w Halifax W.W. (Midgley Moor) ..	A. L. Gray, Esq., B.Sc. ..	8	1	0	1350	44.3	66.62	...	...
w Halifax W.W. (Gorple Res.) .. No. 3	A. L. Gray, Esq., B.Sc. ..	5	1	0	1160	...	70.71	...	...
w Halifax W.W. (Warley Moor) ..	A. L. Gray, Esq., B.Sc. ..	8	1	0	1325	43.0	67.46	...	...
d Halifax W.W. (Ogden) ..	A. L. Gray, Esq., B.Sc. ..	5	1	0	990	...	55.29	235	195
w Halifax W.W. (Ovenden Moor) ..	A. L. Gray, Esq., B.Sc. ..	8	1	0	1375	41.8	59.79	...	...
d Halifax W.W. (Gorple Res.) ..	A. L. Gray, Esq., B.Sc. ..	8	1	0	1028	...	75.21	265	223
w Halifax W.W. (Widdop Res.) .. No. 4	A. L. Gray, Esq., B.Sc. ..	5	1	0	1060	...	69.21	...	...
d Halifax W.W. (Widdop Res.) .. No. 2	A. L. Gray, Esq., B.Sc. ..	5	1	0	1065	...	71.52	266	224
w Halifax W.W. (Widdop Res.) .. No. 3	A. L. Gray, Esq., B.Sc. ..	5	1	0	1060	...	68.22	...	...
d Halifax W.W. (Walshaw Dean Lodge)	A. L. Gray, Esq., B.Sc. ..	5	1	0	1040	48.1	68.64	257	216
w Halifax W.W. (Walshaw Dean) .. No. 3	A. L. Gray, Esq., B.Sc. ..	5	1	0	1180	...	70.87	...	...
w Halifax W.W. (Widdop Res.) .. No. 5	A. L. Gray, Esq., B.Sc. ..	5	1	0	1280	...	75.12	...	...
9.—OUSE. Aire. 504 sq. mi.									
d PONTEFRAC (The King's School) ..	Headmaster ..	5	1	0	255	23.3	26.17	205	121
d Pontefract (Roall Waterworks) ..	A. F. Richmond, Esq., C.E. ..	8	1	0	42	23.0	23.81	202	133
d Goole (Sewage Pumping Station) ..	Borough Engineer ..	5	1	0	10	...	27.96	189	134
d Rothwell (Lemonroyd Sewage Works)	Rothwell U.D.C. ..	5	1	0	64	...	29.30	199	138
d Selby (Brayton Barff Waterworks) ..	Waterworks Engineer ..	8	1	0	173	...	27.14	192	138
Bradford (Brayshaw Reservoir) ..	Waterworks Engineer ..	5	1	0	982	36.5	48.18	...	...
d Bradford (Bowling Cemetery) .. (+A)	City Surveyor ..	5	1	0	600	...	41.08	226	163
d Bradford (Shearbridge Depot) .. (+A)	City Surveyor ..	5	1	0	400	...	40.95	217	167
d Bradford (Horton Park) ..	City Surveyor ..	5	1	0	597	...	42.05	203	171
d Bradford (Thornton Cemetery) ..	City Surveyor ..	5	1	0	1003	...	45.95	238	176
d Bradford (Peel Park) ..	City Surveyor ..	5	1	0	450	...	38.67	216	158
d BRADFORD (Lister Park) ..	Corporation ..	8	1	0	439	33.9	40.96	225	160
d Bradford (Thornton Moor Filters) ..	Waterworks Engineer ..	5	1	0	1190	44.3	63.64	255	208
d Bradford (Stubden Reservoir) ..	Waterworks Engineer ..	5	1	0	1071	44.9	64.75	249	208
M Bradford (Nan Scar, Oxenhope) ..	Waterworks Engineer ..	5	1	0	1101	...	64.67	...	...
M Bradford (Stairs Top, Oxenhope) ..	Waterworks Engineer ..	5	1	0	1360	...	69.07	...	...
d Bradford (Leeming Reservoir) ..	Waterworks Engineer ..	5	1	0	850	...	55.40	241	195
d Bradford (Doe Park Reservoir) ..	Waterworks Engineer ..	5	1	0	754	...	52.15	240	190
d Bradford (Leeshaw Reservoir) ..	Waterworks Engineer ..	5	1	0	875	47.3	67.57	265	206
M Bradford (Chellow Dean Reservoir) ..	Waterworks Engineer ..	5	1	0	645	34.5	47.04	...	...
d Bradford (Chellow Heights Reservoir)	Waterworks Engineer ..	5	1	0	848	...	47.27	235	181
d Bradford (Hewenden Reservoir) ..	Waterworks Engineer ..	5	1	0	707	...	50.63	243	184
d Bradford (Heaton Reservoir) ..	Waterworks Engineer ..	5	1	0	531	...	41.42	228	164
d Leeds (Farnley Hall) .. (+A)	City Engineer ..	5	1	0	405	...	34.36	198	147
Leeds (Wortley Reservoir) ..	K. L. Forster, Esq., C.E. ..	5	0	9	307	28.1	34.35	189	146
Leeds (Knostrop) ..	K. L. Forster, Esq., C.E. ..	5	0	9	75	24.0	30.33	203	142

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.)									
9.—OUSE. Aire—(contd.)									
D Leeds (Civic Hall)	(+A) City Engineer	5	1	0	193	...	31.94	199	139
Leeds (Woodhouse Moor)	K. L. Forster, Esq., C.E. ..	8	1	0	307	26.7	32.59	191	143
d Seacroft (Leeds City Hospital) ..	Medical Superintendent ..	8	1	0	235	29.3	32.69	...	137
D Leeds (Chapel Allerton)	E. J. Tibbs, Esq.	5	1	0	425	...	34.16	190	135
D Leeds (Weetwood Filter Beds) ..	(+A) City Engineer	8	1	0	328	27.5	34.34	209	152
D Leeds (Roundhay Park)	(+A) City Engineer	5	1	0	425	...	35.15	210	149
d Haworth (Harbour Lodge)	G. E. V. Boldry, Esq., C.E. ..	5	1	0	1165	52.5	67.05	245	215
D Haworth (Lower Laithe Res.) ..	(+A) G. E. V. Boldry, Esq., C.E. ..	6	1	0	772	48.1	59.55	238	198
D §Oakworth (Oldfield Filters)	G. E. V. Boldry, Esq., C.E. ..	5	1	0	978	...	56.42	238	195
M §Oakworth (Keighley Moor)	G. E. V. Boldry, Esq., C.E. ..	5	1	0	1300	...	63.64	...	...
M §Oakworth (Clough Hey)	G. E. V. Boldry, Esq., C.E. ..	5	1	0	1075	...	57.45	...	...
W Oakworth (Newsholme Dean) ..	G. E. V. Boldry, Esq., C.E. ..	5	1	0	675	...	51.56	...	...
M §Oakworth (Keighley Moor) ..	No. 2 G. E. V. Boldry, Esq., C.E. ..	5	1	0	1025	...	60.35	...	...
d Rawdon (Sewage Works)	Aireborough U.D.C.	8	1	6	150	...	32.03	...	...
D Rawdon (Micklefield House) ..	Aireborough U.D.C.	5	1	0	579	...	30.23	177	133
D BINGLEY (St. Ives Research Station) ..	Director	8	1	0	610	...	43.10	234	171
D §Bingley (Gilstead Filters)	Engineer, Bradford W.W. ..	5	1	0	572	...	41.59	231	171
D Baildon (Weecher Reservoir) ..	Surveyor & W.W. Engineer ..	5	1	0	825	...	42.56	217	175
D Hawsworth (Reva Reservoir) ..	Yeadon W.W. Co.	5	1	2	735	...	38.07	203	163
D Adel (Lawns Wood Cemetery) ..	W. R. Pearson, Esq.	5	1	1	470	...	34.33	193	147
D Keighley (The Knowle)	P. Clough, Esq.	5	1	0	390	...	44.87	222	173
D Keighley (Hard Ings Lane)	Chief Sanitary Inspector ..	5	0	10	304	35.7	43.74	200	168
M Bingley (Sunnydale Res.)	Engineer, Bradford W.W. ..	5	1	0	825	33.1	39.07	...	...
d Guiseley (Moor Top)	Aireborough U.D.C.	8	1	6	750	...	34.64	205	139
d Salterforth (Barnoldswick Waterworks)	Barnoldswick U.D.C.	8	1	4	832	46.6	65.44	224	179
D Earby (Sewage Works)	(+A) Surveyor	5	1	9	426	39.3	51.73	216	181
M Silsden (Gill Grange)	Engineer, Bradford W.W. ..	5	1	0	883	30.8	41.19	...	...
D Silsden Reservoir	Engineer, Bradford W.W. ..	5	1	0	560	...	43.47	225	173
M Silsden (Cringles Reservoir Site) ..	Engineer, Bradford W.W. ..	5	1	0	715	31.3	42.82	...	...
D Elslack (Stories Farm)	Barnoldswick U.D.C.	5	0	7	675	...	53.51	234	202
D Skipton (Bowling Terrace)	A. Metcalf, Esq.	5	1	0	350	...	49.97	222	174
D Skipton (Town Hall)	(+A) K. B. Robinson, Esq. ..	8	1	2	367	33.5	47.26	249	180
d Skipton	British Waterways	5	5	4	346	...	49.08	...	...
d Gargrave (Banks Hill Bank)	British Waterways	8	1	0	545	35.5	51.81	...	...
D Gargrave (Raybridge Hill)	British Waterways	8	0	10	459	34.2	57.17	218	206
D Winterburn (Long Hill)	British Waterways	8	1	0	705	37.8	54.13	217	197
W Winterburn (Brown Hill)	British Waterways	8	1	0	961	42.8	57.98	...	...
d Malham (Lee Gate)	British Waterways	5	1	0	1175	...	68.01	224	199
D Settle (MALHAM TARN)	C. Promotion Field Studies ..	5	1	0	1297	...	76.56	255	208
10.—OUSE. Wharfe. 408 sq. mi.									
D CHURCH FENTON Airfield	(+A) Meteorological Office ..	8	1	0	27	...	28.84	200	124
D CAWOOD (Exp. Husbandry Farm) ..	Director	5	1	0	20	...	28.09	180	134
D BRAMHAM (Headley Hall)	Leeds University	5	1	2	177	...	30.13	185	131
Adel (Eccup, East)	K. L. Forster, Esq., C.E. ..	5	0	9	375	29.3	36.55	200	149
Harewood (Arthington)	K. L. Forster, Esq., C.E. ..	8	0	9	139	...	34.88	210	143
d Harewood House	The Earl of Harewood	5	0	10	300	29.7	36.10	...	140
D Otley (Sewage Works)	J. A. A. Pratt, Esq., C.E. ..	5	1	7	172	...	32.82	188	142
D ILKLEY (Spence's Garden)	Engineer & Surveyor	5	1	0	315	35.1	42.22	216	167
D ASKHAM BRYAN	Yorkshire Inst. of Agriculture ..	5	1	0	90	...	31.69	184	131
Leathley (Lindley Woods)	K. L. Forster, Esq., C.E. ..	8	0	9	312	31.6	38.25	222	167
D Ilkley (March Ghyll Reservoir) ..	J. A. A. Pratt, Esq., C.E. ..	5	1	0	705	34.0	34.35	203	168
D York (Bishophthorpe Road)	J. Terry & Sons, Ltd. ..	5	1	0	51	...	28.39	...	118
D York (Acomb Landing)	York Waterworks Co.	5	1	0	40	22.6	29.83	193	134
Skipton (Counter Hill)	Engineer, Bradford W.W. ..	5	1	0	951	30.2	39.06	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain- fall	1954					
				Diam.	Height of Rim above Ground		Ground above Sea Level	Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more		
WEST RIDING—(contd.)				in.	ft.	in.	ft.	in.	in.			
10.—OUSE. Wharfe—(contd.)												
D	Skipton (Chelker Reservoir)	..	Engineer, Bradford W.W.	5	1	0	730	32·9	40·48	230	180	
D	Beamsley (Overdale)	..	Mrs. A. Downs	5	1	0	420	...	40·47	203	159	
	Fewston (Timble Ings)	..	K. L. Forster, Esq., C.E.	5	0	9	912	...	45·68	217	166	
	Fewston (Swinsty, East)	..	K. L. Forster, Esq., C.E.	8	0	9	460	34·4	34·94	218	159	
	Fewston, North	..	K. L. Forster, Esq., C.E.	8	0	9	525	...	38·96	226	172	
	Fewston (Blubberhouses)	..	K. L. Forster, Esq., C.E.	8	0	9	575	37·1	44·35	249	185	
D	Bolton Abbey (Estate Office)	..	E. E. Hey, Esq.	5	1	2	368	36·3	45·20	225	175	
D	§Barden Reservoir	..	Engineer, Bradford W.W.	5	1	0	746	41·8	62·98	258	210	
M	Upper Barden Reservoir	..	Engineer, Bradford W.W.	5	1	0	1164	...	68·75	...	...	
	Rocking Moor (Spittle Ings)	..	K. L. Forster, Esq., C.E.	5	1	0	967	...	52·37	194	177	
	Thruscross (Lane Head)	..	K. L. Forster, Esq., C.E.	5	0	9	950	...	54·60	213	202	
	§Burnsall (Thorpe Fell)	..	Engineer, Bradford W.W.	5	1	0	1649	...	73·06	...	...	
	Burnsall (Sandbed Beck)	..	Engineer, Bradford W.W.	5	1	0	676	41·0	60·25	...	...	
	Braithwaite Moor (High House)	..	K. L. Forster, Esq., C.E.	5	1	0	1068	...	54·34	208	173	
d	Grassington (Ghaistrills)	..	Mrs. D. Sampson	5	1	0	650	...	65·42	...	...	
D	Grimwith Reservoir	..	Engineer, Bradford W.W.	5	1	0	884	43·9	61·40	248	198	
M	Grimwith (Trunla Hill)	..	Engineer, Bradford W.W.	5	1	0	1201	...	61·80	...	...	
d	Oughtershaw	..	Mr. T. White	5	1	0	1117	...	94·97	...	...	
11.—OUSE. Nidd. 254 sq. mi.												
d	Wetherby (Stockeld Park)	..	C. E. Johnson, Esq.	5	1	6	200	25·8	(32·68)	...	...	
D	Spofforth (Sewage Works)	..	Harrogate Corporation	5	1	0	181	27·0	29·94	202	134	
D	Tockwith School	..	W. Kirk, Esq.*	5	1	0	77	...	30·80	185	137	
	§Harrogate W.W. (Ling Cottage)	..	Water Engineer, Harrogate	5	1	0	763	33·4	39·82	...	...	
	Harrogate W.W. (Broad Dubb)	..	Water Engineer, Harrogate	5	1	0	725	34·1	39·88	...	...	
	Harrogate W.W. (Cobblers Cottage)	..	Water Engineer, Harrogate	8	1	0	730	33·5	39·82	...	...	
D	Harrogate W.W. (Ten Acres Res.)	..	Water Engineer, Harrogate	8	1	6	620	34·9	40·25	248	175	
D	Harrogate W.W. (Scargill Res.)	..	Water Engineer, Harrogate	8	1	0	646	34·8	39·42	244	174	
D	Harrogate W.W. (Beaverdyke Res.)	..	Water Engineer, Harrogate	5	1	0	575	34·1	40·54	264	182	
	Harrogate (John O'Gaunt's)	..	Water Engineer, Harrogate	8	1	0	600	33·8	(39·56)	...	...	
	§Harrogate W.W. (Long Stoop)	..	Water Engineer, Harrogate	5	1	0	700	33·8	(40·61)	...	...	
	Harrogate W.W. (Knabb's Moor)	..	Water Engineer, Harrogate	5	1	0	700	32·5	40·49	...	...	
D	Harrogate (Harlow Hill Reservoir)	..	Water Engineer, Harrogate	8	1	0	549	...	35·22	208	146	
D	Harrogate (Irongatebridge Reservoir)	..	Water Engineer, Harrogate	8	1	6	455	29·3	35·93	209	150	
d	Knaresborough (Water Tower)	..	Water Engineer, Harrogate	8	1	0	240	27·1	34·10	...	...	
D	HARROGATE (Bilton Sewage Works)	..	Corporation	5	1	0	208	28·5	32·50	199	139	
D	Birstwith Hall	..	Sir Cecil Aykroyd, Bart.	5	1	0	325	34·4	40·18	200	171	
M	Ramsgill (Holme House, Gouthwaite)	..	Engineer, Bradford W.W.	5	1	0	464	39·9	51·78	...	...	
D	Ramsgill (Raygill House)	..	Engineer, Bradford W.W.	5	1	0	925	...	63·75	223	193	
D	Ramsgill	..	Engineer, Bradford W.W.	5	1	0	450	...	57·02	216	183	
M	Nidderdale (East Gill Head)	..	Engineer, Bradford W.W.	5	1	0	1710	57·6	72·13	...	...	
M	§Nidderdale (Rain Stang)	..	Engineer, Bradford W.W.	5	1	0	1470	...	70·06	...	...	
M	Nidderdale (New Houses)	..	Engineer, Bradford W.W.	5	1	0	755	45·8	56·17	...	...	
D	Nidderdale (West Houses)	..	Engineer, Bradford W.W.	5	1	0	1165	52·5	66·81	205	185	
D	Scar House Reservoir	..	Engineer, Bradford W.W.	5	1	0	1085	...	57·65	205	178	
12.—OUSE. Ure. 110 sq. mi.												
d	Burton Leonard	..	Late B. Coore, Esq.	5	1	0	290	...	32·41	(186)	(132)	
	Pateley Bridge (Skell Beck)	..	Water Engineer, Harrogate	5	1	0	900	...	51·39	...	...	
	Dallow Moor (Harper Hill)	..	K. L. Forster, Esq., C.E.	8	0	9	819	...	47·18	...	146	
D	Ripon (Grammar School)	..	Headmaster	5	1	0	150	...	29·96	191	138	
	Kirkby Malzeard (Drovers' Inn)	..	K. L. Forster, Esq., C.E.	5	0	9	576	36·0	46·48	222	174	
	Kirkby Malzeard (Hawsett)	..	K. L. Forster, Esq., C.E.	5	0	9	820	37·1	45·33	208	168	
w	Kirkby Malzeard (Hambleton Hill)	..	K. L. Forster, Esq., C.E.	8	0	9	1106	39·7	51·39	...	...	
	Kirkby Malzeard (Bagwith Brae)	..	L. K. Forster, Esq., C.E.	5	0	9	703	32·9	45·88	182	161	
w	Kirkby M. (Stone & Ears Wham)	..	L. K. Forster, Esq., C.E.	5	0	9	1118	39·7	47·13	...	...	

* Per Yorkshire Ouse River Board.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
EAST RIDING. (Area, 1,176 sq. mi.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—OUSE. Left Bank Tributaries. 82 sq. mi.									
D Riccall	Yorkshire Ouse River Board	5	1	0	18	...	27·60	193	131
D York (The Retreat)	Secretary	5	1	0	60	...	32·17	199	140
2.—OUSE. Derwent. 248 sq. mi.									
D Warter	Yorkshire Ouse River Board	5	1	0	290	...	33·31	186	148
D Birdsall Gardens	Mr. J. Anderson	5	1	2	308	29·2	37·48	202	151
D Rillington (Scampston Hall)	Mr. E. W. Hodgson*	5	1	6	102	27·1	27·81	178	140
D Ganton (Golf Club)	Secretary	5	1	2	100	...	31·45	186	136
D Ganton (Ganton Hall)	E. W. Wrigley, Esq.	5	1	0	250	27·5	30·50	192	130
3.—HUMBER. Left Bank Tributaries. 675 sq. mi.									
D §SPURN HEAD (R.N. Signal Station)	Chief Officer, for M.O.	5	1	0	29	22·7	27·30	168	113
D Hessle (Sandford)	Lieut. C. S. Sherwood, R.N.V.R.	5	1	0	90	...	32·25	207	140
D HULL (Pearson Park)	General Superintendent	5	0	10	8	25·4	31·31	177	137
D Hull (Springhead)	Hull Waterworks	5	1	0	14	25·5	30·46	187	130
d Anlaby (Beverley Rd.)	G. Leaf, Esq.	5	1	0	36	...	30·92	...	131
D Burton Pidsea (The Nurseries)	C. Bromby, Esq.	5	1	0	23	...	29·21	202	131
D Cottingham (Dunswell Pumping Stn.)	Hull Waterworks	5	1	0	6	...	30·39	194	133
d Holme-on-Spalding Moor (Parkgate)	G. Allan, Esq.	8	1	0	30	23·6	28·95	199	144
D Beverley (Broadgate Hospital)	Physician Superintendent	5	1	0	175	26·5	32·51	186	142
D Beverley (Hull Bridge)	Hull & E. Yorks River Bd.	5	2	6	11	24·9	31·95	191	150
D Market Weighton (Dalton Holme)	W. F. Cullen, Esq.	8	6	6	120	27·3	35·37	189	152
D Brandesburton (Hempholme Lock)	Hull & E. Yorks River Bd.	5	2	6	11	24·6	30·92	180	139
D Hutton Cranswick (Vicarage)	Rev. G. Storer	5	1	0	79	...	26·94	193	135
D DRIFFIELD Airfield	(+A) Meteorological Office	5	1	0	69	...	29·87	188	137
D Lowthorpe (The Elms)	W. J. Tindall, Esq.	5	1	0	63	26·5	29·76	218	144
d Langtoft School	G. W. E. Ogden, Esq.	8	1	6	250	...	33·08	164	119
4.—EAST COAST STREAMS. 171 sq. mi.									
D Withernsea (High School)	E. Brown, Esq.	5	1	0	28	...	28·63	207	129
D Hornsea (Town Hall)	Hornsea U.D.C.	5	1	0	12	...	26·27	162	120
D Burton Agnes (Pumping Station)	H. South, Esq., C.E.	5	1	0	52	...	30·14	212	137
D §BRIDLINGTON (Mill Lane)	H. South, Esq., C.E.	5	1	0	157	...	31·31	199	140
D HIGH MOWTHORPE	Farm Director	5	1	0	574	...	35·81	212	144
d Weaverthorpe (The School House)	H. Wilkinson, Esq.	5	1	0	270	...	35·34	...	...
Ganton (Willerby Wold)	Major W. F. Wormald	5	1	2	565	...	29·15	...	...
D Filey (Rosedale Reservoir)	Water Engineer	5	1	0	197	...	29·76	190	131
D Filey (Pumping Station)	Water Engineer	5	1	0	123	...	27·90	180	132
NORTH RIDING. (Area, 2,155 sq. mi.)									
1.—OUSE. Ure. 273 sq. mi.									
M Masham Moor (Arnagill Beck West)	Water Engineer, Harrogate	5	1	0	1210	41·6	55·77	...	...
M Masham Moor (Arnagill Beck East)	Water Engineer, Harrogate	5	1	0	1150	39·5	53·79	...	...
M Masham Moor (Grey Ridge)	Water Engineer, Harrogate	5	1	0	1330	44·3	50·15	...	...
M Masham Moor (Low Ash Head)	Water Engineer, Harrogate	5	1	0	845	40·7	59·42	...	...
M Masham Moor (Agill Head)	Water Engineer, Harrogate	5	1	0	1380	43·4	64·18	...	...
D Masham Moor (Roundhill Reservoir)	Water Engineer, Harrogate	8	1	0	743	37·6	49·42	239	179
D Roundhill Reservoir No. 2	Water Engineer, Harrogate	8	1	0	925	38·8	50·34	226	180
Masham Moor (High Sour Mire)	K. L. Forster, Esq., C.E.	5	0	9	884	...	48·34	...	...
Masham Moor (Leighton Reservoir)	K. L. Forster, Esq., C.E.	5	0	9	634	35·9	45·60	218	168
Masham Moor (Towler Hill)	K. L. Forster, Esq., C.E.	5	0	9	820	36·7	48·03	221	175

§ Turf wall round gauge.

* Per Yorkshire Ouse River Board.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTH RIDING—(contd.)									
1.—OUSE. Ure.—(contd.)									
Masham Moor (Breary Bank)	.. K. L. Forster, Esq., C.E. ..	5	0	9	600	36.8	46.94	221	172
Masham Moor (Healey Pasture)	.. K. L. Forster, Esq., C.E. ..	5	0	9	620	36.1	46.92	220	168
Masham Moor (Low Houses)	.. K. L. Forster, Esq., C.E. ..	5	0	9	693	37.9	48.13	193	159
Bishopdale (Longridge)	.. Yorkshire Ouse River Board	5	1	0	810	...	79.00	212	191
D Hawes (Sewage Works)	.. Yorkshire Ouse River Board	5	1	0	745	...	76.37	211	187
Leyburn (Spennithorne)	.. F. M. Curtis, Esq., F.R.Met.S.	5	1	0	358	29.9	40.52	222	151
D Leyburn (Bolton Hall)	.. Head Gardener ..	5	1	0	420	32.6	44.50	204	167
Leyburn (Overdale)	.. A. Rowntree, Esq. ..	5	1	0	550	...	37.17	215	...
D Askrigg (Yorebridge Grammar School)	F. E. Chevins, Esq.	5	1	0	670	...	55.60	226	185
D Hawes Junction (Moorland Cottage)	.. Mr. W. Ireland ..	5	1	6	1125	...	94.05	247	211
2.—OUSE. Swale. 569 sq. mi.									
D DISHFORTH Airfield	.. Meteorological Office ..	5	1	0	106	22.7	31.05	198	132
d Coxwold (The Old Hall)	.. L. Geipel, Esq.	5	1	6	260	26.1	33.48	154	137
d Thirsk (Topcliffe Airfield)	.. (+A) Meteorological Office ..	5	1	0	81	...	30.36	...	...
D Thirsk (Ashton House)	.. Mrs. F. E. Walker ..	5	1	6	112	...	31.67	191	148
D Thirsk (Sowerby)	.. Mrs. M. Brown ..	5	1	0	110	24.7	31.78	208	147
D Thirsk (South Villa)	.. B. Foggitt, Esq.	5	1	0	115	24.7	31.77	191	146
Felixkirk (Thirlby)	.. A. J. Walker, Esq.	5	1	0	315	27.1	34.87	...	...
D Felixkirk (Mount St. John)	.. A. J. Walker, Esq.	5	1	0	540	...	34.41	200	145
D Felixkirk (Mount St. John)	.. (+A) A. J. Walker, Esq.	5	1	0	540	26.5	34.48	200	146
Boltby, East	.. A. J. Walker, Esq.	5	1	0	459	26.2	39.93	...	...
D Maunby Hall	.. Col. A. Hill-Walker, V.C. ..	5	4	6	90	23.9	30.35	176	132
D Scruton (Post Office)	.. C. Wainscoat, Esq.	5	1	0	110	23.8	31.25	203	133
D Tunstall (Craggs Lane Farm)	.. E. B. Potts, Esq.	5	1	0	550	...	35.67	185	148
D Swaledale (Rowleth End)	.. S. H. Clarke, Esq.	5	1	0	700	...	58.38	244	192
D Swaledale (Gunnerside Lodge)	.. The Rt. Hon. Lord Peel ..	5	1	0	985	47.8	60.77	243	192
Osmotherly (Oakdale W.W.)	.. Northallerton U.D.C. ..	5	1	0	600	28.3	37.78	...	...
D East Harlsey (Harlsey Hall)	.. Mrs. Constantine ..	5	1	0	370	...	32.30	213	165
d Swaledale (Keld)	.. Yorkshire Ouse River Board	5	1	0	1040	...	74.39	...	178
D Richmond (Green Howard Road)	.. Borough Surveyor* ..	5	1	0	605	...	36.37	218	156
3.—OUSE. Left Bank Tributaries. 153 sq. mi.									
D Great Smeaton (Home Farm)	.. G. Currie, Esq.	5	1	0	208	...	30.95	165	136
D YORK (Museum)	.. Yorks. Phil. Soc. (Dr. Collinge)	5	1	0	57	24.3	30.47	201	140
4.—OUSE. Derwent. 509 sq. mi.									
D Welburn	.. R. Child, Esq.	5	1	0	200	26.1	33.11	228	149
D Malton (Broughton Road)	.. C. C. Laverack, Esq.	5	1	0	152	25.5	30.43	186	138
D Hovingham Hall	.. Col. Sir William Worsley Bt.	5	0	9	119	29.0	27.85	165	129
D AMPLEFORTH	.. Rev. T. L. Jackson, O.S.B.	5	1	0	313	...	33.41	205	143
D Oswaldkirk (Leysthorpe Hall)	.. Major G. B. Foster ..	5	1	0	231	...	32.99	195	138
d Nunnington Hall Gardens	.. E. C. O. Thompson, Esq. ..	5	1	0	125	...	30.37	...	...
D Seamer (Irton Pumping Station)	.. H. V. Overfield, Esq., C.E.	5	1	0	94	28.7	30.50	200	136
D Scarborough (Osgodby)	.. H. V. Overfield, Esq., C.E.	5	1	0	166	26.1	25.94	176	128
D Kirkby Moorside (Ravenswyke)	.. Lt.-Col. V. H. Holt, M.C., J.P.	5	1	0	270	27.2	34.66	196	151
D Hutton-le-Hole (Elphield)	.. R. W. Crosland, Esq.	5	1	0	340	...	38.72	226	163
D Bilsdale (St. John's Church)	.. Yorkshire Ouse River Board	5	1	0	435	...	43.79	212	160
D SILPHO MOOR	.. Forestry Commission ..	5	1	0	662	...	36.70	212	148
M Farndale 7	.. Hull Waterworks ..	5	1	0	1021	...	48.80	...	...
D Farndale (Vicarage)	.. (+A) Hull Waterworks ..	8	1	0	495	...	42.94	190	154
M Rosedale 16	.. Hull Waterworks ..	5	1	0	587	...	48.07	...	...
M Rosedale 19	.. Hull Waterworks ..	5	1	0	599	...	50.41	...	...
M Rosedale 17A	.. Hull Waterworks ..	5	1	0	986	...	51.39	...	...
M Bransdale 3	.. Hull Waterworks ..	5	1	0	739	...	51.37	...	...
M Bransdale 4B	.. Hull Waterworks ..	5	1	0	1184	...	51.14	...	...
M Farndale 9	.. Hull Waterworks ..	5	1	0	1015	...	50.12	...	...

* Per Yorkshire Ouse River Board.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			·01 in. or more	·04 in. or more
			Sea Level						
NORTH RIDING—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
4.—OUSE. Derwent—(contd.)									
M Farndale 10	Hull Waterworks	5	1	0	574	...	50·64	...	...
M Farndale 13	Hull Waterworks	5	1	0	1055	...	50·63	...	...
M Farndale 14	Hull Waterworks	5	1	0	1286	...	51·74	...	...
M § Rosedale 18	Hull Waterworks	5	1	0	1337	...	50·54	...	...
M Rosedale 14A	Hull Waterworks	5	1	0	1329	...	51·94	...	...
5.—ESK & C. 278 sq. mi.									
D SCARBOROUGH	(+A) Medical Officer of Health ..	5	1	0	118	25·8	26·15	187	133
D Scarborough (Scalby)	Capt. Sir William Wordsworth ..	5	1	0	210	...	29·50	217	141
W Goathland (Hydro)	E. N. Burn, Esq.	5	1	0	450	...	36·40	...	...
d Sleights (Hall Cottage)	George Gibson, Esq.	5	1	0	235	30·7	(33·77)	...	...
D Danby Lodge	Viscount Downe*	5	1	0	399	...	41·17	251	144
D Whitby (Park Hall, Aislaby) ..	Miss M. A. N. Richardson ..	5	1	0	500	30·7	34·04	186	135
D WHITBY (Pannett Park)	Park Superintendent	8	1	0	135	...	28·36	169	133
D Mulgrave Castle	Yorkshire Ouse River Board ..	5	1	0	410	...	30·74	188	135
D Guisborough (Lockwood Reservoir)	Cleveland Water Co.	8	1	0	632	33·0	40·09	228	148
D Guisborough (Pinchinthorpe House)	H. G. W. Debenham, Esq. ..	5	1	0	340	...	33·81	182	156
D Guisborough (Waterworks)	Guisborough U.D.C.	5	1	2	600	...	36·07	184	147
D Saltburn (North Skelton Mine) ..	Dorman, Long & Co., Ltd. ..	5	1	0	304	...	32·56	185	136
D REDCAR	Town Clerk	5	1	0	25	24·2	25·74	195	127
6.—TEES. 373 sq. mi.									
D Ingleby Manor	Mrs. Diana Marrell	5	1	0	500	33·9	41·89	207	188
D Kildale Hall	Mrs. R. B. Turton	5	1	2	600	35·5	41·58	179	148
D Crathorne Hall Gardens	Maj. Sir Thomas Dugdale ..	5	1	3	185	25·0	29·45	197	146
d Barningham Park	Sir Frederick Milbank, Bart. ..	8	1	0	750	32·6	46·21	226	164
d Yarm (Worsall Hall)	Major H. K. D. Evans	5	1	0	60	...	27·49	...	...
D Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1	3	287	25·2	31·75	193	145
D Middlesbrough (Albert Park) ..	H. C. Hildyard, Esq.	5	1	0	30	23·7	26·73	190	139
D Middlesbrough (South Bank) ..	(+A) N. C. Harrison, Esq., C.E. ..	5	1	0	41	...	24·97	188	123
D Normanby (Ironworks)	Pease & Partners, Ltd.	5	1	0	14	...	25·60	162	124
D Baldersdale (Aygill)	T. S. R. Winter, Esq., C.E. ..	5	1	6	1250	49·5	66·40	...	...
D Lartington Filters	T. S. R. Winter, Esq., C.E. ..	5	1	0	735	32·1	39·58	248	160
D Baldersdale (Blackton Reservoir)	T. S. R. Winter, Esq., C.E. ..	5	1	0	937	40·9	53·00	...	...
D Baldersdale (Baldershead)	T. S. R. Winter, Esq., C.E. ..	5	1	0	1360	45·7	65·40	...	...
D Baldersdale (Hury Res.) old g. site	T. S. R. Winter, Esq., C.E. ..	5	1	0	856	36·0	47·46	234	171
D Baldersdale (Hury Res.) new g. site	T. S. R. Winter, Esq., C.E. ..	5	1	0	862	37·3	46·22	234	169
D Lunedale (Dow Crag)	T. S. R. Winter, Esq., C.E. ..	5	1	0	1720	57·6	75·10	...	...
D Lunedale (Lunehead)	T. S. R. Winter, Esq., C.E. ..	5	1	0	1450	55·0	71·20	...	...
D Lunedale (Selset)	T. S. R. Winter, Esq., C.E. ..	5	1	0	924	40·3	52·50	...	...
D Lunedale (Grassholme Reservoir)	T. S. R. Winter, Esq., C.E. ..	5	1	0	936	38·6	51·65	234	181
D Lunedale (Keekham)	T. S. R. Winter, Esq., C.E. ..	5	1	0	1660	62·1	80·50	...	...
D Lunedale (Hargill)	T. S. R. Winter, Esq., C.E. ..	5	1	5	1320	52·6	68·10	...	...

DIVISION X—NORTHERN COUNTIES

DURHAM. (Area, 1,011 sq. mi.)

1.—TEES & C. 396 sq. mi.									
D Darlington (South Park)	A. Peak, Esq.	5	1	0	100	27·1	29·15	203	144
D Darlington (Waterworks)	(+A) Borough Surveyor	5	1	0	161	...	27·75	200	140
D Darlington (Broken Scar)	T. S. R. Winter, Esq., C.E. ..	5	1	0	158	26·2	28·32	197	139
D Darlington (Coniscliffe Road) ..	Wear & Tees River Board ..	5	1	0	173	...	28·69	198	136

* Per Yorkshire Ouse River Board.

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
			Diam.	Height of Rim above Ground		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
DURHAM—(contd.)										
1.—TEES & C.—(contd.)										
D	Darlington (Fighting Cocks Reservoir)	T. S. R. Winter, Esq., C.E.	5	1	0	171	25·2	26·43	199	131
D	MIDDLETON ST. GEORGE .. (+A)	Meteorological Office ..	5	1	0	114	...	25·73	197	131
D	Egglescliffe (Cranbourne)	G. Cellan-Jones, Esq. ..	5	1	2	93	24·0	28·96	202	137
D	Barnard Castle (Bowes Museum) ..	T. Wake, Esq. ..	5	1	0	500	30·4	37·45	222	154
D	Long Newton Reservoir	T. S. R. Winter, Esq., C.E.	5	0	9	184	25·5	29·51	215	142
D	Stockton-on-Tees (Ropner Park) ..	Park Curator ..	5	1	0	61	22·9	27·54	188	140
D	Stockton-on-Tees (Billingham) .. (+A)	Imperial Chem. Indust., Ltd.	5	1	6	35	23·3	25·99	200	129
D	Staindrop (Raby Castle)	Lord Barnard, C.M.G., M.C.	5	1	0	450	27·6	32·74	212	152
d	Eggleson (Wood Hill)	E. A. Smith, Esq. ..	5	1	0	1000	34·2	42·83	248	186
d	Shildon (Eden Grange)	J. T. Petty, Esq. ..	5	1	0	384	...	31·90	...	141
D	Middleton-in-Teesdale (Newbiggin) ..	Mrs. Coggins ..	5	1	0	1000	44·2	54·99	234	174
D	Forest-in-Teesdale (+A)	Postmistress, for M.O. ..	5	1	0	1250	...	68·95	275	197
D	Embleton (Crookfoot Reservoir) ..	J. Clough, Esq., B.Sc. ..	8	1	0	293	25·4	26·56	205	146
D	WEST HARTLEPOOL (The Clock) ..	H. Lamb, Esq. ..	5	1	0	30	...	26·22	198	131
D	West Hartlepool (Waterworks) ..	J. Clough, Esq., B.Sc. ..	5	1	0	35	24·7	23·66?	194	128
D	West Hartlepool (Secondary School)	J. J. Carey, Esq. ..	5	1	0	62	...	27·65	191	150
D	Hurworth Burn Reservoir	J. Clough, Esq., B.Sc. ..	8	1	0	357	26·5	27·27	203	145
D	Hartlepool (Hart Reservoir)	J. Clough, Esq., B.Sc. ..	8	1	0	172	...	23·12	207	124
D	Shotton (New Winning Pumping Stn.)	A. G. McLellan, Esq., C.E.	5	1	0	402	29·4	31·78	215	158
D	Easington (Mill Hill Reservoir) ..	A. G. McLellan, Esq., C.E.	5	1	0	521	...	32·63	209	153
D	Seaham (Dalton Pumping Station) ..	A. G. McLellan, Esq., C.E.	5	1	0	345	27·0	28·63	210	137
2.—WEAR. 464 sq. mi.										
D	Wolsingham (Shull)	Mrs. W. A. Mounsey ..	5	1	0	600	...	37·74	214	167
D	Stanhope (Parson Byers Quarry) ..	Dorman, Long & Co., Ltd.	5	1	6	860	31·7	41·96	201	157
	Burnhope (Grass Meres)	A. C. Wildsmith Esq., C.E.	5	1	3	1850	59·1	73·40	...	...
	Burnhope (Lodgegill Mine)	A. C. Wildsmith, Esq., C.E.	5	1	3	1950	61·4	82·60	...	...
D	Burnhope Reservoir	A. C. Wildsmith, Esq., C.E.	8	1	0	1160	...	70·26	264	204
	Cowshill (Wellheads Hush)	A. C. Wildsmith, Esq., C.E.	5	1	6	1690	52·7	71·30	...	...
D	Durham (HOUGHALL Hort. Station) ..	Director of Agriculture ..	5	1	0	160	26·4	31·86	197	145
D	DURHAM (University Observatory)(+A)	Director ..	5	1	0	336	24·6	30·64	208	139
d	Durham (Neville Court)	A. C. Wildsmith, Esq., C.E.	5	1	1	342	...	31·26	...	...
D	Weardale W.W. (Tunstall Reservoir)	A. C. Wildsmith, Esq., C.E.	8	1	2	724	32·4	43·72	217	188
D	USHAW COLLEGE	President ..	5	1	0	594	28·2	33·89	204	156
	Weardale W.W. (Waskerley 6) ..	A. C. Wildsmith, Esq., C.E.	8	1	0	1229	...	43·14	...	...
	Weardale W.W. (Waskerley 3) ..	A. C. Wildsmith, Esq., C.E.	8	1	0	1433	...	49·30?	...	...
D	Weardale W.W. (Waskerley) ..	A. C. Wildsmith, Esq., C.E.	8	1	0	1179	33·1	45·06	261	182
	Weardale W.W. (Waskerley 1) ..	A. C. Wildsmith, Esq., C.E.	8	1	0	1317	...	39·71	...	...
D	Lanchester (Craigmore)	Basil Sadler, Esq. ..	5	1	0	400	...	32·87	203	142
D	§Consett (Crockhall Sewage Works)	E. Simpkin, Esq., C.E. ..	5	1	0	700	...	36·28	226	152
D	Consett (Stockley House)	Mrs. J. Shackleton ..	5	1	6	642	...	35·72	213	154
D	Lanchester (Langley Close)	Basil Sadler, Esq. ..	5	1	0	756	...	33·05	192	142
D	South Moor (Colliery Office)	Basil Sadler, Esq. ..	5	1	0	616	...	33·83	171	134
D	Ryhope (Pumping Station)	A. G. McLellan, Esq., C.E.	5	1	1	228	25·4	27·76	206	143
D	Sunderland (Thornholme)	Medical Officer of Health ..	5	1	0	130	25·6	27·04	170	149
3.—TYNE. Lower. 151 sq. mi.										
D	Hunstanworth (Presser Villa)	A. C. Wildsmith, Esq., C.E.	5	1	0	1301	...	43·57	231	171
D	Weardale W.W. (Hisehope Reservoir)	A. C. Wildsmith, Esq., C.E.	5	1	0	1450	...	40·70	231	165
D	Weardale W.W. (Smiddy Shaw) ..	A. C. Wildsmith, Esq., C.E.	8	1	3	1128	34·1	40·25	230	171
M	Edmondbyers Common	A. G. McLellan, Esq., C.E.	5	1	0	1540	...	52·12	...	...
M	Edmondbyers (Feldon Burn)	A. G. McLellan, Esq., C.E.	5	1	0	1230	...	46·36	...	...
M	Edmondbyers (Harehope Burn) ..	A. G. McLellan, Esq., C.E.	5	1	0	970	...	43·42	...	...
M	Hunstanworth (Nookton Burn) ..	A. G. McLellan, Esq., C.E.	5	1	0	1360	...	56·15	...	...
M	Hunstanworth (Little Nookton)	A. G. McLellan, Esq., C.E.	5	1	0	1290	...	53·95	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DURHAM—(contd.)									
3.—TYNE. Lower—(contd.)									
D Hunstanworth (Boltshope) ..	A. G. McLellan, Esq., C.E.	5	1	0	1200	...	51·60	207	179
D Hunstanworth (Belmount) ..	A. G. McLellan, Esq., C.E.	5	1	0	1250	...	46·51	238	167
D Hunstanworth (Cross Hill) ..	A. G. McLellan, Esq., C.E.	5	1	0	1160	...	47·10	232	173
D Edmondbyers Farm ..	A. G. McLellan, Esq., C.E.	5	1	0	850	...	39·26	213	161
d Edmondbyers (Roughside) ..	A. G. McLellan, Esq., C.E.	5	1	0	730	...	37·82	...	...
d Edmondbyers (Ridding) ..	A. G. McLellan, Esq., C.E.	5	1	0	680	...	36·28	...	...
D Hunstanworth (Buckshott) ..	A. G. McLellan, Esq., C.E.	5	1	0	960	...	43·12	231	162
D Muggleswick ..	A. G. McLellan, Esq., C.E.	5	1	0	700	...	38·04	214	164
D Westwood (Sewage Works) ..	E. Simpkin, Esq., C.E.	5	0	8	255	...	33·84	208	155
D BIRTLEY ..	Durham Chemicals, Ltd.	5	1	0	87	...	29·33	190	142
D Ebchester (Blackhall Mill School) ..	Headmaster ..	5	1	0	150	...	31·95	209	141
d Rowlands Gill (CHOPWELLWOOD) ..	Forestry Commission ..	8	1	0	446	28·7	34·04	...	143
D GATESHEAD ..	Medical Officer of Health ..	5	1	0	509	...	31·87	211	139
D Sunderland (Cleadow Pumping Stn.) ..	A. G. McLellan, Esq., C.E.	5	1	0	216	24·4	29·17	214	144
D South Shields (Bents Park) ..	Medical Officer of Health ..	5	1	0	36	24·2	29·28	200	140
D South Shields (South Pier Works) ..	Tyne Improvement Commis.	5	1	0	17	...	28·84	204	143
NORTHUMBERLAND. (Area, 2,105 sq. mi.)									
1.—EDEN. 20 sq. mi.									
2.—SOUTH TYNE. 232 sq. mi.									
d Allenheads ..	T. S. Foggitt, Esq. ..	5	1	5	1350	...	62·23	...	...
D Haydon Bridge (Shaftoe Trust Sch.) ..	Headmaster ..	5	1	0	240	...	38·25	239	168
3.—TYNE. Lower. 227 sq. mi.									
M Upper Derwent (Quickleugh) ..	A. G. McLellan, Esq., C.E.	5	1	0	1380	...	58·30	...	...
M Upper Derwent (Heatheryburn) ..	A. G. McLellan, Esq., C.E.	5	1	0	1250	...	54·50	...	...
D Blanchland (Birkside) ..	A. G. McLellan, Esq., C.E.	5	1	0	1090	...	42·45	248	171
D Blanchland (Cowbyers) ..	A. G. McLellan, Esq., C.E.	5	1	0	1060	...	43·23	...	...
D Blanchland (Pennypie) ..	A. G. McLellan, Esq., C.E.	5	1	0	1270	...	40·68	245	163
M Blanchland (Acton Burn) ..	A. G. McLellan, Esq., C.E.	5	1	0	850	...	39·40	...	...
D Newcastle (Leazes Park) ..	City Engineer ..	5	1	0	255	26·4	31·50	219	150
d Newcastle (Gosforth) ..	T. R. Dowdeswell, Esq. ..	5	1	0	246	...	30·92	215	138
D Throckley Filters ..	Newcastle & Gatesh'd W.Co.	5	1	1	300	...	36·17	235	156
D Hexham Reservoir ..	Hexham U.D.C. ..	5	1	0	325	...	33·82	225	150
d Hexham (Widehaugh Nursery) ..	Forestry Commission ..	5	1	0	120	...	32·44	...	...
D North Shields (Billy Mill Reservoir) ..	C. F. J. Lisle, Esq., C.E. ..	5	1	0	195	...	30·92	205	149
d Tynemouth (Tyne Pier Works) ..	Tyne Improvement Commis.	5	1	0	54	25·1	28·08	198	138
D TYNEMOUTH (Coastguard Station) ..	Station Officer, for M.O. ..	5	1	0	108	24·5	28·56	189	141
D Whittle Dene Filters ..	Newcastle & Gatesh'd W.Co.	5	1	1	353	26·6	32·61	216	148
D Whittle Dene Reservoir ..	Newcastle & Gatesh'd W.Co.	5	1	0	380	25·3	32·24	205	149
4.—NORTH TYNE. 433 sq. mi.									
d Barrasford ..	Newcastle & Gatesh'd W.Co.	8	1	0	207	...	36·09	...	...
D Simonburn (Park End) ..	A. H. Ridley, Esq. ..	5	1	0	300	31·4	42·37	212	179
Ryal Cottage ..	Newcastle & Gatesh'd W.Co.	5	0	9	463	29·1	31·64	...	...
Hallington Village ..	Newcastle & Gatesh'd W.Co.	5	1	0	467	29·9	33·15	...	...
D Hallington Reservoir ..	Newcastle & Gatesh'd W.Co.	5	1	0	470	29·3	32·75	233	161
M Hallington (Fawcett) ..	Newcastle & Gatesh'd W.Co.	5	1	2	537	28·2	34·60	...	...
M Hallington (Cheviott) ..	Newcastle & Gatesh'd W.Co.	5	1	2	576	27·8	33·62	...	...
Camphill ..	Newcastle & Gatesh'd W.Co.	5	1	0	650	29·4	37·14	...	...
D Colt Crag Reservoir ..	Newcastle & Gatesh'd W.Co.	5	1	0	655	29·3	38·66	254	191
D Bower Moor (Bower) ..	Forestry Commission ..	5	1	0	500	...	51·45	180	152
D Falstone (Wickhope) ..	Forestry Commission ..	5	1	0	550	...	63·70	228	193

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Height of above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
NORTHUMBERLAND—(contd.)									
4.—NORTH TYNE—(contd.)									
M Green Crag	.. Newcastle & Gatesh'd W. Co.	5	1	0	900	31·8	38·67	...	...
D BELLINGHAM (Highgreen)	.. Sir Charles Morrison-Bell, Bt.	5	1	0	849	35·4	42·27	229	169
D KIELDER CASTLE	.. Forestry Commission ..	5	1	0	660	47·8	62·95	239	204
§Kielder (Ridge End)	.. Newcastle & Gatesh'd W. Co.	5	1	0	851	...	(61·90)	(240)	(192)
M §Kielder (Oh Me Edge)	.. Newcastle & Gatesh'd W. Co.	8	1	0	1480	...	(61·77)	...	...
§Kielder (Little Gunn's Cleugh)	.. Newcastle & Gatesh'd W. Co.	8	1	0	1110	49·8	(63·65)	...	...
§Redewater (Countess Crag)	.. Newcastle & Gatesh'd W. Co.	5	1	0	1600	50·0	71·90	...	...
M Redewater (Chattlehope)	.. Newcastle & Gatesh'd W. Co.	5	1	0	1100	46·7	63·94	...	...
D Redewater (Catcleugh)	.. Newcastle & Gatesh'd W. Co.	5	1	0	819	44·7	58·42	268	213
W §Redewater (Game Park)	.. Newcastle & Gatesh'd W. Co.	5	1	0	900	48·8	66·41	...	...
M §Redewater (Black Cleugh)	.. Newcastle & Gatesh'd W. Co.	5	1	0	950	...	61·09	...	...
5.—COQUET & C. 840 sq. mi.									
Whittington	.. Newcastle & Gatesh'd W. Co.	8	1	0	528	28·1	31·68	...	...
Burnside	.. Newcastle & Gatesh'd W. Co.	5	1	0	419	27·2	32·25	...	...
d Kirkwhelpington	.. J. Wardle, Esq. ..	5	1	3	581	...	42·03	...	...
D Maiden Hall (Stanton Nook)	.. C. F. J. Lisle, Esq., C.E. ..	5	1	0	277	...	33·83	224	153
D Morpeth (COCKLE PARK)	.. King's College, Newcastle ..	5	1	0	325	28·7	32·21	209	140
D Rothley (Harwood)	.. Forestry Commission ..	5	1	0	770	...	43·98	201	156
D Font Reservoir (Tynemouth W.W.)	.. C. F. J. Lisle, Esq., C.E. ..	10	1	2	620	31·1	38·77	218	179
D Rothbury (Cemetery)	.. Northumb. & Tyneside R. Bd.	5	1	0	300	...	39·93	207	163
D ACKLINGTON Airfield	.. (+A) Meteorological Office ..	5	1	0	138	...	28·96	193	130
D Amble	.. Amble U.D.C. ..	5	1	0	12	...	28·99	211	129
D Caillaly Castle Gardens	.. G. Milne, Esq. ..	5	1	4	350	...	37·63	206	155
D Uswayford	.. Northumb. & Tyneside R. Bd.	5	1	0	1230	...	52·14	217	179
D Howick Hall Gardens	.. The Earl Grey ..	8	1	0	110	28·2	30·33	211	135
D Stamford	.. W. Robertson, Esq. ..	5	1	0	175	...	29·51	203	136
D Chathill (Preston Tower)	.. H. Baker Cresswell, Esq. ..	8	1	0	140	28·3	36·00	213	161
D Embleton (Newton House)	.. Capt. A. J. Baker Cresswell ..	5	0	9	75	...	30·60	201	153
D Belford (Newlands)	.. Miss C. J. H. Sanderson ..	5	4	8	160	...	25·23	211	134
6.—TWEED. 262 sq. mi.									
d Cheviot Hills (Linhope)	.. Northumb. & Tyneside R. Bd.	5	1	0	900	39·9	48·88	...	...
D Ilderton (Lilburn Tower Gardens)	.. Mr. C. Lovett ..	5	1	0	250	30·4	36·00	215	162
D Mindrum	.. Northumb. & Tyneside R. Bd.	5	1	0	300	...	34·31	219	160
d Cornhill (Pallinsburn)	.. Mrs. A. Turnbull ..	5	1	6	135	...	28·77	177	139
D BERWICK-ON-TWEED (Ramparts)	.. Borough Surveyor ..	5	1	0	76	23·4	25·95	179	153
7.—INSULAR. 1 sq. mi.									
CUMBERLAND. (Area, 1,516 sq. mi.)									
1.—EDEN & SOLWAY. 887 sq. mi.									
D Watermillock (Lake View)	.. T. Slee, Esq. ...	5	0	8	560	...	74·40	246	198
D Penrith (Hutton John)	.. N. Hudleston, Esq. ...	5	1	0	688	45·1	64·47	202	181
d Penruddock School	.. Headmaster ..	5	1	6	850	...	67·88	219	195
d Penrith (Castle Park)	.. Engineer & Surveyor ..	5	1	0	490	...	44·19	...	172
D Penrith (Arthur Street)	.. Mrs. E. Sinclair ..	5	1	0	500	36·4	40·58	243	191
D Penrith (NEWTON RIGG)	.. Cumberland County Council	5	1	0	560	36·4	49·61	215	180
D Uldale (Chapel House Reservoir)	.. J. R. Watters, Esq. ...	8	1	0	620	46·2	63·22	217	199
D Penrith (Nunwick Hall)	.. Lt.-Col. C. H. F. Thompson	5	2	0	258	31·8	42·87	214	171
D Penrith (Great Salkeld)	.. Rev. G. A. K. Hervey ..	5	1	0	350	...	42·97	242	173
D Troutbeck (Wellbank)	.. Miss R. A. S. Streatfield ..	5	1	0	800	...	89·72	243	214
D Renwick	.. Cumberland River Board ..	5	1	0	712	...	51·29	261	190

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
CUMBERLAND—(contd.)									
1.—EDEN & SOLWAY—(contd.)									
D Wigton (Brookfield) ..	J. Carruthers, Esq., B.A., B.Sc.	5	1	0	100	36·7	43·51	200	174
D SILLOTH Airfield ..	(+A) Meteorological Office ..	5	1	0	25	...	47·04	217	170
D Geltsdale ..	L. J. A. Stow, Esq., C.E. ..	5	1	2	778	36·8	50·96	243	203
D Carlisle (Spital Cemetery) ..	Superintendent ..	8	1	0	114	31·8	44·76	238	172
Carlisle (Denton Holme) ..	W. Pogson, Esq. ..	5	1	0	57	30·1	42·85	...	...
D Carlisle (Rose Hill) ..	H. Lonsdale, Esq. ..	8	1	3	105	...	47·84	237	194
D Carlisle (Sewage Works) ..	L. J. A. Stow, Esq., C.E. ..	5	1	0	39	...	42·97	221	161
d Longtown (C.A.D.) ..	Officer-in-Charge ..	5	1	10	25	...	42·47	189	144
D Bewcastle (Ashcroft) ..	Border R.D.C. ..	5	1	0	750	44·1	56·27	222	190
2.—DERWENT. 257 sq. mi.									
M Sprinkling Tarn ..	F. Bainbridge, Esq., for M.O.	5	1	6	1985	...	(257·00)	...	...
M Styehad Tarn ..	F. Bainbridge, Esq., for M.O.	5	1	0	1472	145·8	(241·05)	...	...
M Styehad (A) ..	F. Bainbridge, Esq., for M.O.	5	1	0	1100	139·8	(215·90)	...	...
M Borrowdale (Stockley Bridge) ..	F. Bainbridge, Esq., for M.O.	5	1	0	585	130·9	(189·25)	...	...
M Borrowdale (Seathwaite) ..	F. Bainbridge, Esq., for M.O.	5	1	0	423	122·0	(165·25)	...	...
M Helvellyn (Hill Top Gill) ..	Manchester Corp'n. W.W. ..	5	1	0	1025	...	141·20	...	...
D Thirlmere (The Nook) ..	Manchester Corp'n. W.W. ..	5	1	0	621	...	133·13	286	235
§ Helvellyn (Birkside) ..	Manchester Corp'n. W.W. ..	5	1	0	1900	...	131·11	...	...
M Wythburn ..	Manchester Corp'n. W.W. ..	5	1	0	610	95·8	137·77	...	...
M Helvellyn (Brown Rigg) ..	Manchester Corp'n. W.W. ..	5	1	0	1400	...	158·43	...	...
Helvellyn (Brown Cove) ..	Manchester Corp'n. W.W. ..	5	1	0	1800	...	131·33	...	...
D Watendlath Farm ..	W. Tyson, Esq. ..	5	1	0	800	88·5	124·04	239	217
M § Armboth Fells (The Pewitts) ..	Manchester Corp'n. W.W. ..	5	1	0	1650	...	131·41	...	...
D § Thirlmere (Dale Head Hall) ..	Manchester Corp'n. W.W. ..	5	1	0	620	86·7	121·05	284	230
D Keswick (High Hill) ..	(+A) Tom Wilson, Esq. ..	5	1	0	254	54·9	80·80	247	204
D Braithwaite (Black Wood) ..	C. Barnes, Esq. ..	8	1	0	400	60·3	95·12	243	204
d Keswick (Mirehouse) ..	Miss Spedding ..	5	1	1	280	49·8	73·70	...	193
D Workington (Stainburn Reservoir) ..	H. Kay, Esq., C.E. ..	5	1	0	180	36·9	58·27	226	184
d Cockermouth (Waterworks) ..	M. M. Dixon, Esq. ..	5	1	0	350	...	60·79	237	196
3.—WEST COAST STREAMS. 235 sq. mi.									
d Bootle (Fellside) ..	Millom R.D.C. ..	5	1	0	265	...	70·00	...	...
d Ravenglass (The Grove) ..	Ian McWilliam, Esq. ..	5	1	0	70	42·5	57·53	...	...
D SELLAFIELD (Windscale Works) ..	Ministry of Supply, for M.O.	5	1	0	43	...	56·08	232	184
D Gosforth (Netherwasdale) ..	J. M. Sewell, Esq. ..	5	1	0	180	...	88·92	233	207
D Braystones ..	H. H. Watson, Esq. ..	5	1	0	36	37·5	53·16	225	186
D West Water (Wasdale Head) ..	H. H. Watson, Esq. ..	5	1	0	280	...	136·95	...	...
M Ennerdale (Gillertwaite) ..	H. H. Watson, Esq. ..	5	1	0	445	...	120·20	...	...
D Whitehaven (Stanley Pond) ..	National Coal Board ..	5	1	6	45	47·5	57·26	228	183
D St. Bees Head Lighthouse ..	(+A) Principal Keeper, for M.O.	5	1	0	400	...	52·28	231	168
D Whitehaven (Scragill Reservoir) ..	Engineer & Surveyor ..	8	1	0	188	43·5	58·06	253	182
D Workington (Coke Ovens) ..	Workington Iron & Steel Co.	5	1	2	29	...	53·29	202	153
4.—DUDDON & C. 50 sq. mi.									
D Millom (Lanthwaite) ..	Millom R.D.C. ..	5	1	0	145	...	75·36	257	207
D § Ulpha ..	Water Engineer, Barrow ..	5	1	0	251	77·7	109·21	257	219
5.—SOUTH TYNE. 87 sq. mi.									
D Alston (Garrigill) ..	W. E. Richardson, Esq. ..	5	1	0	1124	...	73·24	255	208
D ALSTON (Grammar School) ..	W. E. Richardson, Esq. ..	5	1	0	1069	49·0	73·64	266	208
WESTMORLAND. (Area, 783 sq. mi.)									
1.—EDEN. 373 sq. mi.									
D Kirkby Stephen (Eden Place) ..	Miss Marcia Mason, J.P. ..	5	1	0	544	...	52·50	231	167
M § Wasdale Pike ..	Manchester Corp'n. W.W. ..	5	1	0	1825	79·4	137·76	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
WESTMORLAND—(contd.)									
1.—EDEN—(contd.)									
M Mosedale (Mosedale Cottage)	.. Manchester Corpn. W.W. ..	5	1	0	1443	87.8	152.20	...	...
M Mosedale (Artle Crag)	.. Manchester Corpn. W.W. ..	5	1	0	2134	...	(139.90)	...	...
D Wet Sleddale (Mirethwaite)	.. Manchester Corpn. W.W. ..	5	1	0	995	64.7	126.04	268	236
M Blea Water	.. Manchester Corpn. W.W. ..	5	1	0	1400	...	(159.95)	...	...
M Sleddale (High Wether Howe)	.. Manchester Corpn. W.W. ..	5	1	0	1620	...	(109.30)	...	...
M Mardale (Riggindale)	.. Manchester Corpn. W.W. ..	5	1	0	892	...	135.35	...	...
M Shap (Birkbeck Fell)	.. Manchester Corpn. W.W. ..	5	1	0	935	56.0	86.93	...	...
M Swindale Parsonage	.. Manchester Corpn. W.W. ..	5	1	0	875	70.0	103.15	...	...
M Mardale (Whelter)	.. Manchester Corpn. W.W. ..	5	1	0	819	...	131.55	...	...
M Mardale (Low Raise)	.. Manchester Corpn. W.W. ..	5	1	0	2465	...	143.00	...	...
M Shap (Thornship Gill)	.. Manchester Corpn. W.W. ..	5	1	0	844	57.3	77.43	...	...
M Mardale (Guerness)	.. Manchester Corpn. W.W. ..	5	1	0	905	...	114.74	...	...
M Shap (Tailbert Head)	.. Manchester Corpn. W.W. ..	5	1	0	1100	55.6	81.14	...	...
M Hawes Water (Wallow Crag)	.. Manchester Corpn. W.W. ..	5	1	0	1412	72.1	102.57	...	...
M Hawes Water (Sandhills)	.. Manchester Corpn. W.W. ..	5	1	0	824	69.6	101.87	...	...
M Measand Beck (Keasgill)	.. Manchester Corpn. W.W. ..	5	1	0	1800	82.7	117.13	...	...
D Hawes Water (Burn Banks)	.. Manchester Corpn. W.W. ..	5	1	0	835	65.0	96.85	254	199
D Patterdale Hall	.. Mr. T. Atkinson ..	5	1	3	490	86.4	125.75	228	204
M Bampton (Atkinsons Grain)	.. Manchester Corpn. W.W. ..	5	1	0	2175	87.5	102.42	...	...
d Patterdale (Greenside Mine)	.. Basinghall Mining Synd. Ltd.	5	0	9	1101	91.9	136.07	...	...
M Bampton (Sealhole Grain)	.. Manchester Corpn. W.W. ..	5	1	0	1775	...	104.60	...	...
M Bampton (Stanegarth)	.. Manchester Corpn. W.W. ..	5	1	0	913	59.5	86.52	...	...
M Cawdale Beck (Howe Grain)	.. Manchester Corpn. W.W. ..	5	1	0	1130	67.6	96.48	...	...
M Heltondale (Kidmoor)	.. Manchester Corpn. W.W. ..	5	1	0	1043	...	80.66	...	...
D Martindale (Howtown)	.. G. G. Rylands, Esq. ..	5	1	0	600	...	86.09	235	193
D Appleby Castle	.. Cumberland River Board ..	5	1	0	440	35.0	44.55	236	170
d Appleby (Bongate Cross)	.. E. H. Illingworth, Esq. ..	5	1	0	450	...	41.96	...	...
d Penrith (Lowther Castle)	.. Mr. J. Jeffrey ..	5	1	0	760	41.8	56.47	...	...
D Penrith (Barton House)	.. Mrs. Legh Tolson ..	5	1	0	500	42.4	55.79	229	197
D Pooley Bridge (Bowerbank)	.. H. T. Thompson, Esq. ..	5	0	9	500	...	57.07	224	187
D Temple Sowerby	.. Cumberland River Board ..	5	1	0	355	...	40.35	246	171
2.—LEVEN. 60 sq. mi.									
D Windermere (Nurseries)	.. Windermere U.D.C. ..	5	0	10	350	61.6	94.92	237	191
D Windermere (Holehird)	.. H. L. Groves, Esq. ..	5	1	0	500	68.0	99.10	268	227
D Windermere (Brockhole)	.. C. Bateman, Esq. ..	5	0	8	175	66.3	100.88	248	224
D Windermere (Briery Close)	.. Mrs. E. L. Hedley ..	5	1	0	325	...	97.35	258	218
d Troutbeck (The Howe)	.. Dr. A. E. Ainscow ..	5	0	9	496	...	101.21	...	...
D AMBLESIDE	.. The Lakes U.D.C. (Clerk) ..	5	1	0	145	70.9	107.20	255	216
D Rydal (The Hall)	.. R. E. Porter, Esq. ..	5	1	0	354	82.1	119.46	260	229
D Great Langdale (Long House)	(+ A) Mrs. Graham Satow ..	5	1	0	340	...	149.29	265	232
D Grasmere (Meadow Brow)	.. J. Abbott, Esq. ..	5	1	0	350	88.5	123.09	264	234
3.—KENT. 188 sq. mi.									
D Milnethorpe (Crooklands)	.. British Waterways ..	5	1	0	156	...	66.62	251	190
D Heversham (Plumtree Hall)	.. Miss Lilian Watson ..	5	3	7	120	45.7	58.94	234	208
D Levens (Beathwaite)	.. John A. Bush, Esq. ..	5	1	2	125	46.8	72.65	240	200
D Levens (Bridge End)	.. Lancashire River Board ..	5	1	0	23	...	68.98	238	200
D Killington Reservoir	.. British Waterways ..	5	1	0	670	49.8	77.68	...	216
D Kendal School	.. N. Whitton, Esq. ..	5	1	0	136	...	73.15	227	197
D Kendal (Fisher Tarn Reservoir)	.. Water Engineer ..	5	1	0	742	51.7	78.09	259	217
D Kendal (Ellergreen)	.. J. W. Cropper, Esq. ..	5	1	6	270	58.2	87.12	263	217
4.—LUNE. 122 sq. mi.									

§ Turf wall round gauge

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
WESTMORLAND—(contd.)		in.	ft.	in.	ft.	in.	in.		
5.—TEES. 40 sq. mi.									
M Lunedale (Conny Pot)	 T. S. R. Winter, Esq., C.E.	5	1	0	1840	...	74·30	...	...
D MOOR HOUSE (Dufton)	 Nature Conservancy	5	1	0	1850	...	102·84	282	237

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

MONMOUTHSHIRE. (Area, 534 sq. mi.)

1.—RHYMNEY. 39 sq. mi.									
D Machen (Fwrrwm Road)	 Machen Quarries, Ltd.	5	2	0	250	...	60·87	226	167
2.—EBBW. 88 sq. mi.									
D Rogerstone (Newport Golf Links)	.. W. H. Halsey, Esq.	5	0	8	304	...	58·36	211	167
D Abercarn (Nantydraenog Reservoir)	.. W. Cory Goddard, Esq., C.E.	5	1	0	715	...	70·97	235	182
D Blackwood	 T. J. Jones, Esq.	5	0	10	650	...	68·66	239	178
D Abertillery (The Park)	 Medical Officer of Health	5	1	0	600	57·2	77·05	201	184
D Cwmtilillery Reservoir	 W. Cory Goddard, Esq., C.E.	5	1	0	1130	...	66·22	220	178
D Tredegar (Laboratory)	 National Coal Board	5	2	0	950	...	73·87	...	...
D TREDEGAR (Bedwellty Park)	 Urban District Council	5	1	0	992	...	79·29	226	197
D Tredegar (Georgetown W.W.)	 O. Griffiths, Esq.	5	1	0	1200	...	71·91	242	193
D Ebbw Vale (Iron Works)	 Richard Thomas & Baldwins	8	1	0	930	...	66·41	240	185
D Ebbw Vale Waterworks (Carno S.)	 J. Grafton Hoskins, Esq., C.E.	5	1	0	1262	...	78·54	236	201
D Beaufort (Blaen-y-Cwm Reservoir)	 Richard Thomas & Baldwins	8	1	0	1340	...	71·72	227	181
3.—USK & C. 290 sq. mi.									
D Portskeewett (Sudbrook)	 British Railways	8	1	0	51	...	38·50	181	151
D NEWPORT (Cleppa Park E.H.S.)	 Director	5	1	0	75	...	49·64	215	168
D Newport W.W. (Ynis-y-fro Reservoir)	 Newport Corporation	5	1	0	130	...	55·87	220	171
D Newport W.W. (Pant-yr-eos Reservoir)	 Newport Corporation	5	1	0	435	...	74·47	244	182
D Newport W.W. (Llanvaches)	 Newport Corporation	5	0	10	456	...	50·09	212	170
D Newport W.W. (Nantypridd)	 Newport Corporation	5	1	0	500	...	49·93	...	...
D Cwmbran	 No. 1 Cwmbran Developmt. Cpn.	5	1	0	550	...	64·70	209	169
D Cwmbran	 No. 2 Cwmbran Developmt. Cpn.	5	1	0	280	...	58·44	211	161
D Shirenewton (Filter House)	 Chepstow Water Co.	8	2	10	300	...	49·17	224	161
D Newport W.W. (Newchurch)	 Newport Corporation	5	1	0	550	...	49·14	...	...
D Usk	 Monmouth Agric. Institute	5	1	0	70	...	49·14	198	149
D Llanarth (Blackfriars School)	 Rev. Father J. D. Cheales, O.P.	5	1	0	140	...	38·17	189	126
D Abergavenny (Parc Llettis)	 Mrs. L. Whitehead, O.B.E.	5	1	0	325	...	46·17	181	140
D Abergavenny (Plâs Derwen)	 Alan Whitehead, Esq.	5	1	6	200	...	50·63	191	151
D Abergavenny (Ty-Clyd)	 F. D. Llewelyn, Esq.	5	1	0	272	45·1	53·17	197	155
D Abergavenny (Kenfy)	 Dr. W. T. Wales	5	1	0	230	...	51·06	199	151
D Grwyne Fawr (Coed Dias)	 Colonel O. R. Paterson	5	1	0	900	44·6	52·64	225	179
4.—WYE. 117 sq. mi.									
D Chepstow (Bethdour)	 Chepstow Water Co.	8	1	3	176	...	48·22	210	154
D Monmouth (Cornwall House)	 P. G. Harvey, Esq., M.D.	5	1	5	52	...	36·64	174	125
D Brynderi School	 W. G. De Winton, Esq.*	5	1	0	500	...	45·28	215	161
D Skenfrith	 W. J. Hamer, Esq.*	5	1	0	140	32·7	36·04	175	131
D Trewyn	 Mrs. C. C. Molyneux	5	0	10	500	40·5	46·32	208	162
D Grosmont	 Capt. G. F. Renwick, R.N.	5	1	0	420	...	39·46	171	142

GLAMORGAN. (Area, 808 sq. mi.)

1.—LOUGHOR. 55 sq. mi.									
D Felindre (Lower Lliw Reservoir)	.. T. Price, Esq., C.E...	8	1	0	416	...	84·76	248	202
D Felindre (Upper Lliw Reservoir) (+A)	T. Price, Esq., C.E...	8	1	3	599	...	91·43	251	216

* Per Wye River Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of Rim above Ground		Height of Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
GLAMORGAN—(contd.)									
2.—GOWER PENINSULA. 62 sq. mi.									
D Gower (Penrice Castle)	Major B. C. Smartt	5	2	0	30	...	61.00	214	172
d Penmaen (Cefn Môr)	Mrs. R. S. Palmer	5	1	6	300	41.5	61.26	...	...
3.—TAWE. 47 sq. mi.									
D SWANSEA (Victoria Park)	(+A) Town Clerk	8	1	0	32	44.7	59.46	215	171
d Clydach (Wernfadog)	C. G. Bellingham, Esq. ..	8	1	0	400	...	79.37	...	...
d Clydach	Mond Nickel Co., Ltd. ..	5	1	0	78	...	81.46	224	190
D Ystalyfera (Wern House)	Miss L. Williams	5	1	6	240	64.8	95.10	229	207
4.—NEATH. 82 sq. mi.									
D Briton Ferry (Cefn Cwrt)	Borough Engineer, Neath ..	5	1	0	503	47.7	72.15	238	207
D Neath (Oil Refineries)	National Oil Refineries, Ltd.	5	1	0	145	...	67.50	220	187
D Neath (Cimla Reservoir)	Borough Engineer	5	1	0	360	...	78.93	224	201
D Neath (Gnoll Reservoir)	Borough Engineer	5	1	0	204	52.1	76.52	223	204
D Rhondda W.W. (Llyn Fawr Reservoir)	J. B. Hughes, Esq.	5	1	0	1220	93.3	134.81	248	222
D Resolven (Brynawelon)	Forestry Commission	5	1	0	250	...	86.51	221	203
5.—OGMORE & C. 350 sq. mi.									
d St. Athan	H. Thomas, Esq.	5	1	0	50	...	45.48	...	172
d Lower Penarth	Surveyor	5	1	0	66	34.9	49.65	209	165
D Penarth (Cemetery)	Surveyor	5	1	0	99	...	46.21	217	175
D Penarth (West House)	Surveyor	5	1	0	148	37.1	47.77	207	171
D Cardiff (Cogan Pumping Station) ..	G. W. Cover, Esq., C.E. ..	5	1	0	121	37.7	50.11	215	181
d Cowbridge (Tair Onen Nursery) ..	Forestry Commission	5	1	0	400	...	64.13	...	...
d Cardiff (St. Fagan's Castle)	Mr. F. W. Chivers	5	1	0	100	48.5	59.01	198	184
D Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	5	1	0	300	...	60.76	238	192
Cowbridge (Pwllwy)	Mid-Glamorgan Water Bd. ..	5	1	0	92	...	60.73	...	...
d Porthcawl (Griffin Park)	Urban District Council ..	5	1	0	19	...	51.48	...	...
Merthyr Mawr (Schwyll)	Mid-Glamorgan Water Bd. ..	5	1	3	45	...	56.76	...	...
Merthyr Mawr	R. I. Nicholl, Esq.	5	1	0	75	42.9	58.95	...	...
D Bridgend (Erw Graig)	H. J. Randall, Esq.	8	1	6	50	...	52.64	244	189
D Llanharan (Sewage Works)	H. Thomas, Esq.	5	1	0	175	...	70.07	229	197
d Margam (Kenfig Factory)	British Industrial Solvents Ltd.	5	1	0	35	...	51.93	199	178
D PORT TALBOT	Steel Co. of Wales, Ltd. ..	5	1	0	24	...	61.66	225	181
D Maesteg (Salisbury Road)	H. L. Davies, Esq.	5	1	0	560	62.8	95.68	222	197
D Maesteg (Isolation Hospital)	Engineer & Surveyor	8	1	0	600	62.8	96.89	250	211
D Maesteg (Welfare Park)	(+A) Engineer & Surveyor ..	5	1	0	550	...	105.61	249	215
d Pontycymmer	Mid-Glamorgan Water Bd. ..	8	1	0	560	...	123.59	...	...
D Ogmore Vale	Mid-Glamorgan Water Bd. ..	8	1	2	580	84.7	131.69	243	214
6.—TAFF. 157 sq. mi.									
D Rhubina Reservoir	G. W. Cover, Esq., C.E. ..	5	1	0	336	48.1	64.52	224	194
D Pontypridd (Ty-Gwyn Reservoir) ..	Pontypridd & Rhondda W.B.	5	1	6	725	...	78.83	226	189
D Pontypridd (Treforest Secondary Sch.)	W. C. John, Esq.	5	1	0	360	...	85.30	200	176
D Pontypridd (Boys' Grammar School)	E. G. Mort, Esq.	5	1	3	330	...	82.59	211	173
D Pontypridd (Coedpenmaen Road) ..	R. M. Harrison, Esq.	5	1	0	265	...	84.49	217	180
D Pontypridd (Lanwood Reservoir) ..	Pontypridd & Rhondda W.B.	5	1	6	300	...	81.49	221	184
D Porth Park	A. H. Gillard, Esq.	5	1	0	400	...	97.69	224	196
D Pontypridd (Llanfabon)	W. D. Lewis, Esq.*	5	1	6	600	...	81.29	242	188
D §Treorchy (Pumping Station)	A. H. Gillard, Esq.	5	1	0	515	...	122.36	242	201
D Ferndale Park	A. H. Gillard, Esq.	5	1	0	860	...	104.53	214	203
D Treharris (Service Reservoir)	D. C. W. Jones, Esq., C.E.	5	1	3	765	52.3	72.24	199	167
D Treherbert Park	A. H. Gillard, Esq.	5	1	0	600	...	122.98	244	209
D Mountain Ash (Darranlas Reservoir)	Engineer & Surveyor	5	0	11	540	63.0	86.69	230	186
D §Treherbert (Tyn-y-waun)	J. B. Hughes, Esq.	5	1	0	801	87.0	130.60	238	213
D Rhondda (Castell Nos Reservoir) ..	Pontypridd & Rhondda W.B.	5	1	0	1060	...	119.29	239	209
D Rhondda (Lluest Wen Filter)	Pontypridd & Rhondda W.B.	5	1	0	1200	...	124.74	239	217

* Per Pontypridd & Rhondda Joint Water Board.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1954		
				Diam.	Height of		ft.		in.	Rain- fall	Days with ·01 in. or more
				in.	ft.	in.					
GLAMORGAN—(contd.)											
6.—TAFF—(contd.)											
D	Rhondda (Lluest Wen Reservoir)	..	Pontypridd & Rhondda W.B.	5	1	0	1280	89.0	132.22	239	220
D	Merthyr Tydfil (Penybryn Filters)	..	D. C. W. Jones Esq., C.E.	5	1	3	930	54.0	70.10	254	203
D	Merthyr Tydfil (Bronygarth)	..	F. L. G. Bevan, Esq.	5	1	0	770	...	67.92	244	187
D	Dowlais	..	Imperial Chem. Indust. Ltd.	5	1	0	1075	...	68.58	212	191
D	Dowlais (Gwernllwyn)	..	A. F. Adams, Esq.	5	1	0	1071	51.4	70.12	229	197
D	Dowlais (Garth Filter Beds)	..	A. C. Quiningborough, Esq.	5	1	0	1245	...	76.21	252	209
7.—RHYMNEY. 55 sq. mi.											
D	Cardiff (Roath Park)	..	Chief Officer of Parks	5	1	0	51	41.6	49.11	201	179
D	CARDIFF (Penylan)	..	(+A) Medical Officer of Health	5	1	0	202	41.4	54.11	217	189
D	Cardiff (Heath Filters)	..	G. W. Cover, Esq., C.E.	5	1	0	132	41.3	54.03	225	184
D	Llanishen Reservoir	..	G. W. Cover, Esq., C.E.	5	1	0	155	39.4	52.99	212	185
D	Rhymer Bridge Reservoir	..	(+A) Engineer	8	0	6	1150	...	80.90	258	220
CARMARTHENSHIRE. (Area, 918 sq. mi.)											
1.—TEIFI. 87 sq. mi.											
2.—TOWY & C. 715 sq. mi.											
d	Whitland	..	Wilts United Dairies, Ltd.	5	1	0	60	...	65.45	...	...
	Carmarthen (Llangunor Road)	..	S.W. Wales River Board	8	1	6	19	...	66.00	235	186
D	Carmarthen (St. Davids Avenue)	..	E. W. Francis, Esq.	5	1	0	100	...	68.38	259	196
D	Carmarthen (Cwmoernant Reservoir)	..	E. Gooseman, Esq.	5	1	0	135	...	67.54	252	210
D	Carmarthen (Fryn-hir)	..	C. V. Lewis, Esq.	5	1	0	155	...	71.07	254	197
D	Llandilo (Golden Grove Farm Inst.)	..	J. L. Lloyd, Esq.	5	1	0	100	...	69.89	234	189
D	Llandilo (Dynevor Castle)	..	Mr. Ben Davies	8	1	0	202	53.2	71.02	276	210
w	Llyn-y-fan Fach (Waen Sychlwch)	..	Llanelly R.D.C.	5	1	0	1647	103.0	134.13	...	...
d	Llyn-y-fan Fach (Nant Coch)	..	Llanelly R.D.C.	5	1	0	1172	77.8	102.30	...	213
w	Llyn-y-fan Fach (Bua'r Llyn)	..	Llanelly R.D.C.	5	1	0	1650	102.0	143.80	...	...
d	Llyn-y-fan Fach (Troed-y-Foel)	..	Llanelly R.D.C.	5	1	0	867	...	94.92	...	208
D	Llanddeusant (Pontcrynfe)	..	J. Thomas, Esq.	5	1	0	323	55.6	76.24	252	194
D	Conwil-Elvet (Cwmtawel Reservoir)	..	E. Gooseman, Esq.	5	1	0	350	...	81.19	254	208
D	Brechfa	..	Capt. C. Joynson	5	1	0	290	64.8	84.17	263	204
D	Abergorlech	..	S. L. Davies, Esq.	5	1	0	245	59.5	80.29	253	211
D	Llandovery (Nantyrhogfaen)	..	J. E. Jones, Esq.	5	1	0	249	50.8	68.27	256	195
d	Cynghordy (Clynsaer)	..	B. R. Gibbins, Esq.	5	1	0	490	...	67.18	...	...
D	Rhandirmwyn (Nantwyn)	..	Capt. H. R. H. Vaughan	5	1	0	475	...	75.18	258	218
3.—LOUGHOR & C. 104 sq. mi.											
D	Llanelly (Filter Beds)	..	Llanelly U.D.C.	5	1	0	237	48.7	70.40	243	194
D	Llanelly (Cwmlliedi Waterworks)	..	Llanelly U.D.C.	5	1	1	240	48.7	72.41	239	201
d	Pembrey (The Colony)	..	Forestry Commission	5	1	0	19	...	57.43	201	170
D	Llanelly (Upper Lliedi Reservoir)	..	Llanelly U.D.C.	5	0	11	290	...	69.26	232	184
D	Kidwelly	..	Llanelly U.D.C.	5	1	6	60	...	66.13	223	190
w	Llannon Reservoir	..	Llanelly R.D.C.	5	1	0	860	...	87.23	...	...
4.—TAWE. 7 sq. mi.											
5.—USK. 5 sq. mi.											
D	Upper Usk 1	..	T. Price, Esq., C.E.	5	1	0	1020	...	66.67	250	216
	Upper Usk 2	..	T. Price, Esq., C.E.	5	1	0	1390	...	66.99	...	...
	Upper Usk 3	..	T. Price, Esq., C.E.	5	1	0	1350	...	69.24	...	...
	Upper Usk 4	..	T. Price, Esq., C.E.	5	1	0	990	...	73.09	...	...
	Upper Usk 5	..	T. Price, Esq., C.E.	5	1	0	1090	...	88.88	...	...
	Upper Usk 6	..	T. Price, Esq., C.E.	5	1	0	1390	...	96.87	...	...
6.—WYE.											

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
PEMBROKESHIRE. (Area, 617 sq. mi.)									
1.—TEIFI. 37 sq. mi.									
2.—NEVERN & C. 91 sq. mi.									
d Goodwick (Trenewydd)	Mrs. G. M. Johns	5	1	0	300	...	52.00	213	169
3.—WEST COAST STREAMS. 82 sq. mi.									
4.—CLEDDAU & C. 407 sq. mi.									
d Pembroke (Stackpole Court) ..	Mr. F. G. Garlick	5	1	6	60	39.3	50.25	...	...
d TENBY (The Priory)	Borough Council	8	1	0	64	40.9	51.91	231	169
d PEMBROKE DOCK (+A)	Meteorological Office ..	5	1	0	34	...	52.55	208	167
d Milford Haven (Grammar School) ..	C. Davies, Esq.	5	1	0	170	...	46.25	...	...
d MILFORD HAVEN	Murex Ltd.	5	1	0	179	...	46.28	193	154
d Narberth (Blackpool)	Forestry Commission ..	8	1	0	300	...	61.90	...	...
d HAVERFORDWEST (Hospital Grounds)	Borough Surveyor	5	1	0	133	...	58.67	229	179
d Maenclochog (Ddolwen Bridge) ..	Prescelly Water Board ..	5	1	0	740	...	84.31	232	204
d Letterston (Trecwn House)	Superintending Engineer ..	8	1	0	391	...	70.64	...	...
CARDIGANSHIRE. (Area, 688 sq. mi.)									
1.—DOVEY. 20 sq. mi.									
d Machynlleth (Glandyfi)	Capt. P. L. Ransom	5	1	1	40	...	70.28	259	206
2.—YSTWYTH & C. 347 sq. mi.									
d ABERPORTH (+A)	Meteorological Office ..	5	1	0	376	37.5	46.76	219	166
M Llanafan (Blaenddol)	R. Roberts, Esq., for M.O.	5	1	0	500	...	(70.50)	...	...
d TRAWSCOED	Farm Director, E.H.F. ..	5	1	0	200	...	58.00	227	202
d ABERYSTWYTH (Corporation Yard) ..	Town Clerk	8	1	0	12	36.5	49.37	228	180
d Aberystwyth (University Field) ..	Messrs. Howe and Yates ..	5	1	0	24	...	47.47	222	187
d Aberystwyth (Pengllass Hill)	Messrs. Howe and Yates ..	5	1	0	200	...	49.47	222	185
d Aberystwyth (Univ. Farm) lower	Messrs. Howe and Yates ..	5	1	0	350	...	48.99	209	174
d ABERYSTWYTH (P.B.S.)	Director, Plant Breeding Stn.	5	1	0	452	...	52.03	252	176
d Aberystwyth (Ash Grange)	Messrs. Howe and Yates ..	5	1	0	350	...	52.38	225	195
d Aberystwyth (GOGERDDAN)	Director, Plant Breeding Stn.	5	1	0	103	...	55.14	241	194
d Aberystwyth (Pen-y-cwm)	Messrs. Howe and Yates ..	5	1	0	422	...	61.28	214	180
d Aberystwyth (Troed-Rhiw-Seiri)	Messrs. Howe and Yates ..	5	1	0	400	...	67.15	238	209
d LLETY-EVAN-HEN	Director, Plant Breeding Stn.	5	1	0	950	...	78.66	251	225
d \$Afon Rheidol (Nant-y-moch) ..	Water Engineer, Aberystwyth	5	1	0	1060	...	100.68	...	217
M \$Plynlimon (Llygad Rheidol) higher	Water Engineer, Aberystwyth	5	1	0	1660	...	106.70	...	...
M \$Plynlimon (Llygad Rheidol) lower	Water Engineer, Aberystwyth	5	1	0	1650	87.0	108.30	...	...
3.—TEIFI. 260 sq. mi.									
d Llandyssul (Joyous Gard)	I. T. Hughes, Esq., M.A., J.P.	5	1	6	390	...	51.47	222	184
d Llandyssul (Sychnant Horeb) ..	J. A. Davies, Esq.	5	1	0	341	...	58.52	...	...
d Cardigan (Plas Llangoedmore) ..	Late D. B. Davies, Esq.	5	1	0	120	...	48.67	230	182
4.—TOWY. 46 sq. mi.									
5.—WYE. 15 sq. mi.									
\$Birmingham W.W. (Llyn Gynon) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1500	70.7	87.19	...	...
\$Birmingham W.W. (Bwlchyrhendre) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1585	67.4	85.30	...	...
Birmingham W.W. (Claerddu)	C. A. Risbridger, Esq., C.E.	5	1	0	1470	71.6	92.85	...	...
Birmingham W.W. (Gwngu)	C. A. Risbridger, Esq., C.E.	5	1	0	1490	...	85.51	...	...
d \$Birmingham W.W. (Abergwngu) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1150	67.1	94.76	255	229

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			above	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
BRECKNOCKSHIRE. (Area, 733 sq. mi.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—TOWY. 17 sq. mi.									
2.—TAWE. 41 sq. mi.									
D Swansea W.W. (Nantyrwydd)	.. T. Price, Esq., C.E. . .	5	0	10	908	72·6	114·16	251	227
3.—NEATH. 48 sq. mi.									
D Ystradfellte Reservoir	 Engineer (Neath R.D.C.) ..	5	1	0	1147	77·4	102·34	234	203
4.—TAFF. 48 sq. mi.									
D Aberdare (Nanthir Reservoir)	.. H. W. Crowther-Green, Esq.	5	1	0	860	59·6	68·71	266	206
D Cardiff W.W. (Cefn-Coed-y-Cymmer)	G. W. Cover, Esq., C.E. . .	5	1	0	790	...	71·71	239	198
D Taf Fechan (Pontsticill) No. 12 (+A)	A. C. Quiningborough, Esq.	5	1	0	1031	59·1	77·63	248	205
D Cardiff W.W. (LLWYNON Res.) (+A)	G. W. Cover, Esq., C.E. . .	5	1	0	860	62·0	84·45	249	206
M Cardiff W.W. (Garn Ddu)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1340	70·3	94·71	...	...
W Cardiff W.W. (Garw-nant)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1100	75·5	101·69	...	...
W Cardiff W.W. (Nant-Gwineu)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1200	67·5	91·62	...	...
W Cardiff W.W. (Cefn Gougarn)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1362	75·7	92·43	...	...
W Cardiff W.W. (Llysiog)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1080	68·7	95·00	...	...
D Taf Fechan (Pentwyn Res. S.) No. 15	A. C. Quiningborough, Esq.	5	1	0	1120	68·0	93·45	248	208
M Taf Fechan (Pentwyn Res. N.) No. 16	A. C. Quiningborough, Esq.	5	1	0	1090	66·5	94·05	...	...
W Cardiff W.W. (Twyn-Gareg)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1501	86·7	109·21	...	...
D Cardiff W.W. (Cantref Res.)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1120	69·9	95·59	254	217
D Cardiff W.W. (Beacons Res.)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1357	79·3	105·91	251	217
W Cardiff W.W. (Nant Penig)	.. G. W. Cover, Esq., C.E. . .	5	1	0	2000	92·9	119·53	...	...
D Cardiff W.W. (Storey Arms Field)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1430	88·5	105·54	251	213
W Cardiff W.W. (Blaen Taf Fawr)	.. G. W. Cover, Esq., C.E. . .	5	1	0	1675	85·7	108·17	...	...
D Taf Fechan (Neuadd Res.) No. 1	.. A. C. Quiningborough, Esq.	5	1	0	1462	...	93·19	259	216
D Taf Fechan (Neuadd Res.) No. 1A	.. A. C. Quiningborough, Esq.	5	1	0	1423	...	93·73	259	215
D Taf Fechan (Neuadd Res.) No. 4	.. A. C. Quiningborough, Esq.	5	1	0	1487	83·0	99·79	259	216
D Taf Fechan (Neuadd Reservoir) No. 11	A. C. Quiningborough, Esq.	5	1	0	1524	...	99·38	258	209
D Taf Fechan (Neuadd Res.) No. 11A	.. A. C. Quiningborough, Esq.	5	1	0	1520	...	106·27	258	219
M Taf Fechan (Neuadd Res.) No. 2	.. A. C. Quiningborough, Esq.	5	1	0	1993	...	102·10	...	...
M Taf Fechan (Neuadd Res.) No. 5	.. A. C. Quiningborough, Esq.	5	1	0	1515	83·3	106·40	...	...
M Taf Fechan (Neuadd Res.) No. 10	.. A. C. Quiningborough, Esq.	5	1	0	1700	72·7	100·25	...	...
M Taf Fechan (Neuadd Res.) No. 7	.. A. C. Quiningborough, Esq.	5	1	0	2017	92·2	110·90	...	...
M Taf Fechan (Neuadd Res.) No. 8	.. A. C. Quiningborough, Esq.	5	1	0	1723	87·4	114·95	...	...
M Taf Fechan (Neuadd Res.) No. 8A	.. A. C. Quiningborough, Esq.	5	1	0	1780	...	107·07	...	...
M Taf Fechan (Neuadd Res.) No. 6	.. A. C. Quiningborough, Esq.	5	1	0	2099	95·4	131·80	...	...
5.—RHYMNEY. 2 sq. mi.									
6.—EBBW. 7 sq. mi.									
D Ebbw Vale W.W. (Llangynidr) 1	.. J. G. Hoskins, Esq. . .	5	1	0	1413	62·9	81·03	236	196
D Ebbw Vale W.W. (Llangynidr) W3	.. J. G. Hoskins, Esq. . .	5	1	0	1468	65·1	84·15	236	198
D Ebbw Vale W.W. (Llangynidr) NW2	J. G. Hoskins, Esq. . .	5	1	0	1471	63·8	82·07	236	197
D Ebbw Vale W.W. (Carno, E.)	.. J. G. Hoskins, Esq. . .	5	1	0	1391	61·6	79·38	236	201
D Ebbw Vale W.W. (Carno, W.)	.. J. G. Hoskins, Esq. . .	5	1	0	1412	63·7	82·86	236	200
D Ebbw Vale W.W. (Carno, N.)	.. J. G. Hoskins, Esq. . .	5	1	0	1491	62·3	82·29	236	199
7.—USK. 299 sq. mi.									
D Gilwern (Bryn-yr-Haul)	 Mrs. J. John . .	5	1	0	590	49·5	61·52	222	185
M Torpantau (Darenfawr)	 Newport Corporation	5	1	0	1172	70·4	90·00	...	...
M Torpantau (Ynysposte)	 Newport Corporation	5	1	0	741	66·8	90·48	...	...
M Torpantau (Blaen-caer-fanell)	 Newport Corporation	5	1	0	1584	73·2	96·83	...	...
D Talybont (Ffynonwen)	 Newport Corporation	5	1	0	629	60·2	79·84	242	190
M Talybont (Pwll Ifor)	 Newport Corporation	5	1	0	1224	65·3	88·39	...	...
M Talybont (Rhyd-Dine)	 Newport Corporation	5	1	0	1224	...	90·47	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
BRECKNOCKSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
7.—USK—(contd.)									
D Talybont (Filter House)	Newport Corporation ..	5	1	0	554	56·0	69·12?	228	184
M Talybont (Craig Pwllfa)	Newport Corporation ..	5	0	7	1796	73·7	93·79	...	...
D Talybont (Tyle Clydach)	Newport Corporation ..	5	0	11	709	55·8	71·82	225	182
M Talybont (Nant-y-Llanerch) ..	Newport Corporation ..	5	1	0	1007	66·7	87·11	...	...
D Crickhowell (Glanusk Park) ..	Margaret Lady Glanusk ..	5	1	0	290	43·7	47·49	206	164
M Swansea W.W. (Cray Res.) No. 2	T. Price, Esq., C.E. ...	5	1	0	1019	...	127·52	...	...
D Swansea W.W. (Cray Res.) No. 1 (+A)	T. Price, Esq., C.E. ...	5	1	0	1043	67·2	111·68	225	221
M Cray Post Office	J. A. Jones, Esq., for M.O.	5	1	0	930	69·1	92·21	...	...
D Talybont (Ashford)	J. Henderson, Esq. ...	5	1	0	360	45·6	59·16	210	171
D Llanfrynach (Ty-mawr)	Miss M. D. de Winton ..	5	1	0	450	42·8	63·17	194	171
M Crickhowell (Tal-y-maes)	Mrs. E. Jones, for M.O. ..	5	1	0	1250	46·7	59·60	...	...
D Treacastle (Blaenau-hydfwr) ..	Mr. M. Davies, for M.O. ..	5	1	0	970	63·2	69·03	231	193
d Brecon (Tairbull School)	W. O. Davies, Esq. ...	5	1	0	660	52·0	62·90	...	...
D Brecon (Ffrwdgrech)	Capt. J. D. D. Evans ..	5	1	0	560	...	55·34	220	163
d Brecon (Waterworks)	Borough Engineer ..	5	1	0	550	...	55·57	237	180
d Brecon (Mount Street School) ..	Headmaster	5	0	11	494	...	48·32	...	...
D Black Mountains (Blaen-y-cwm) ..	W. Cory Goddard, Esq., C.E.	5	1	0	1423	54·5	68·08	230	200
D Black Mtns. (The Dam, Grwyne Fawr)	W. Cory Goddard, Esq., C.E.	5	1	0	1787	56·0	68·78	230	201
8.—WYE. 271 sq. mi.									
D Cathedine Rectory	Rev. H. J. Phillips, for M.O.	5	1	6	650	38·3	44·68	226	147
d Felin Fach	Mrs. G. Griffiths* ..	5	1	0	546	...	44·42	...	...
D Llanfillo (County School)	Headmistress* ..	5	1	0	700	...	46·84	217	181
d Talgarth (Maescoch)	F. T. Morgan, Esq. ...	5	1	3	500	33·2	36·44	180	150
D Talgarth (South Wales Sanatorium) ..	Physician Superintendent ..	5	1	0	500	...	44·22	224	180
w Llanwrtyd Wells (Abernant)	T. A. Poole, Esq.* ..	5	1	0	632	57·2	64·21	...	...
D Llanwrtyd Wells (Genau Cwm Irfon) ..	J. C. Jones, Esq. ...	8	0	9	800	...	81·02	259	215
D Garth	T. A. Poole, Esq.* ..	5	1	0	541	...	63·56	245	201
M Abergwesyn (Trallwn)	D. I. Felix, Esq., for M.O.	5	1	0	1000	75·5	(92·30)	...	...
D Beulah (Llwyn Madoc)	Mr. T. C. Smith ..	5	1	0	763	...	75·31	256	203
Llanafanfawr School	W. D. Swan, Esq. ...	5	0	8	800	...	65·98	...	...
M Llanfihangel (Llwynycynar)	J. Francis, Esq., for M.O.	5	1	0	745	...	61·00	...	...
D Newbridge (Llysdinam)	Sir Michael Venables Llewelyn	5	1	3	646	41·2	50·84	237	176
M §Birmingham W.W. (Cors-yr-hwch) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1775	87·3	106·70	...	...
M §Birmingham W.W. (Esgair Ceiliog) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1560	77·3	94·85	...	...
M §Birmingham W.W. (Llyn-Carw)	C. A. Risbridger, Esq., C.E.	5	1	0	1775	79·3	100·50	...	...
M §Birmingham W.W. (Nant-y-car)	C. A. Risbridger, Esq., C.E.	5	1	0	1545	76·5	94·80	...	...
M §Birmingham W.W. (Arban)	C. A. Risbridger, Esq., C.E.	5	1	0	1500	73·2	100·30	...	...
M §Birmingham W.W. (Tyn-y-pant)	C. A. Risbridger, Esq., C.E.	5	1	0	1320	62·0	77·57	...	...
M §Birmingham W.W. (Esgair Garthen) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1590	75·5	99·00	...	...
D Birmingham W.W. (Elan Village)	C. A. Risbridger, Esq., C.E.	5	1	0	700	54·4	69·09	...	...
RADNORSHIRE. (Area, 474 sq. mi.)									
1.—WYE. 424 sq. mi.									
D Glasbury-on-Wye	Mr. R. A. Bufton* ..	5	1	0	276	...	40·31	197	162
D Llyswn (Llanstephan House Gdns.) ..	Lady Milford ..	5	1	3	440	...	49·28	221	184
D Erwood (Cwrt Gwenddwr)	Mr. J. E. Bufton* ..	5	1	0	407	...	53·29	240	179
D Hay (Llanbwchlllyn) lower	Paincastle R.D.C. ...	5	1	0	985	...	46·87	213	176
M §Hay (Llanbwchlllyn) upper	Paincastle R.D.C. ...	5	1	0	1400	...	50·45	...	...
D Newchurch	H. Lloyd, Esq.* ..	5	1	0	801	...	45·88	216	177
D §Builth (Cefndryds)	E. N. Thomas, Esq. ...	5	1	0	740	41·5	49·00	229	176
d Llansaintfraed-in-Elvel	W. J. Jones, Esq.* ..	5	1	0	673	38·7	46·99	182	158
Llanfihangel-nant-Melan	J. C. B. Slater, Esq.* ..	5	1	0	985	...	53·66	...	...
D New Radnor (The Old Rectory)	Professor J. H. Hutton ..	5	1	0	760	...	54·23	253	190

* Per Wye River Board.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
RADNORSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—WYE—(contd.)									
D Presteigne (Evancoyd)	Major C. J. L. Lewis ..	5	1	0	744	...	45·57	211	161
D LLANDRINDOD WELLS (The Common)	Clerk to the U.D.C. ..	5	1	0	772	...	47·68	237	180
D Cascob (Forester's Lodge) ..	Forestry Commission ..	5	1	0	1000	...	59·21	214	189
D §Birmingham W.W. (Tyrmynydd) ..	C. A. Risbridger, Esq., C.E.	5	1	0	832	62·1	72·62	274	205
D Birmingham W.W. (Ciloerwynt) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1045	...	79·70	279	219
D Birmingham W.W. (Nantgwillt) ..	C. A. Risbridger, Esq., C.E.	5	1	0	840	63·2	72·98	273	204
M §Birmingham W.W. (Esgair Gader) 2..	C. A. Risbridger, Esq., C.E.	5	1	0	1500	67·3	89·05	...	...
M Birmingham W.W. (Tynllidiart) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1006	62·9	84·69	...	...
M §Birmingham W.W. (Claerwen) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1250	67·7	84·65	...	...
D §Birmingham W.W. (Tynant) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1020	64·3	86·63	275	219
D §RHAYADER	R. Ashton, Esq., for M.O.	5	1	0	757	47·0	57·04	254	197
D Rhayader (East Street)	R. Ashton, Esq.	5	1	0	700	49·2	59·33	210	177
d Llanddewi-Ystradenny	J. E. Price, Esq.*	5	1	0	767	...	47·93	...	...
M §Birmingham W.W. (Cerrigllwydion) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1710	72·4	94·90	...	...
M §Birmingham W.W. (Pen-y-gareg) 1 ..	C. A. Risbridger, Esq., C.E.	5	1	0	1500	...	76·56	...	...
M §Birmingham W.W. (Pen-y-gareg) 2 ..	C. A. Risbridger, Esq., C.E.	5	1	0	1540	...	75·86	...	...
M Birmingham W.W. (Bryn Hir)	C. A. Risbridger, Esq., C.E.	5	1	0	1470	74·2	95·50	...	...
M Birmingham W.W. (Abercaethon) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1240	67·1	89·70	...	...
M §Birmingham W.W. (Calettwr)	C. A. Risbridger, Esq., C.E.	5	1	0	1490	72·5	94·95	...	...
D Abbey Cwmhir (The Hall)	Col. J. L. Philips	5	0	10	877	...	50·81	223	185
D Llangunllo	H. Kendrick, Esq.*	5	1	0	776	...	55·10	214	183
M §Birmingham W.W. (Figin) 2	C. A. Risbridger, Esq., C.E.	5	1	0	1700	81·3	101·50	...	...
M Birmingham W.W. (Aberhenllan) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1070	64·8	88·80	...	...
M Llanbister (Llananno)	Mrs. A. Jones, for M.O. ..	5	1	0	900	45·1	53·50	...	...
D St. Harmons	J. Hope, Esq.*	5	1	0	918	...	57·92	225	192
Llanbadarn-fynydd	Mr. P. A. Stephens*	5	1	0	974	...	51·40	...	...
D Pont Marteg (Gamallt)	W. Bufton, Esq.	5	1	0	785	...	67·17	235	223
D St. Harmons (Pen-lthion)	Mrs. L. O. Morris*	5	1	0	1200	...	52·05	252	201
2.—SEVERN. Right Bank Tributaries. 50 sq. mi.									
MONTGOMERYSHIRE. (Area, 797 sq. mi.)									
1.—DOVEY. 120 sq. mi.									
D Machynlleth (Garth)	M. Bourne, Esq.	5	1	0	90	...	83·57	256	209
d Corris (Ceinws Camp)	Forestry Commission ..	5	1	2	246	...	109·99	...	...
2.—YSTWYTH. 7 sq. mi.									
3.—WYE. 37 sq. mi.									
D Birmingham W.W. (Bod-Talog) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1250	65·8	96·11	260	239
M Birmingham W.W. (Glan-Fedwen) ..	C. A. Risbridger, Esq., C.E.	5	1	0	1375	67·7	99·45	...	...
M Llangurig (Dernol)	E. W. Price, Esq., for M.O.	5	1	0	870	52·7	(68·90)	...	...
D Llangurig (Manod)	Capt. M. Bennett-Evans*	5	1	0	1050	...	120·44	269	229
w Llangurig (Cefn-Brwyn)	Mr. I. Morgans*	5	1	0	1125	...	123·05	...	...
4.—SEVERN. Right Bank Tributaries. 154 sq. mi.									
D Llanidloes (Hillfield)	G. E. Edwards, Esq. ..	5	1	6	550	...	53·80	230	182
d Newtown (Mochdre Reservoir) ..	Surveyor	5	0	9	650	...	46·75	202	171
d Hafren Nursery	Forestry Commission** ..	5	1	0	1200	...	84·45	203	188
M Clywedog (Cwm Biga)	Severn River Board ..	5	1	0	1015	...	105·13	...	...
d Clywedog (Aber Biga)	Montgomery C. C.** ..	5	1	0	900	...	85·52	...	...
M Clywedog (Hafod Cadwgan) ..	Severn River Board ..	5	1	0	1150	...	107·23	...	...
M Clywedog (Dol Bachog)	Severn River Board ..	5	1	0	1030	...	82·77	...	...
d Newtown (Penarth Weir)	British Waterways ..	8	1	0	321	35·0	47·97	...	...
D Newtown (Gregynog Hall Gardens) ..	G. C. Austin, Esq. ..	5	1	0	650	...	45·10	241	186

*Per Wye River Board.

§ Turf wall round gauge.

** Per Severn River Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MONTGOMERYSHIRE—(contd.)									
5.—SEVERN. Left Bank Tributaries. 479 sq. mi.									
D Berriew (Brithdir Hall)	Mrs. F. E. Marston	5	1	0	350	30·7	39·69	212	173
d Welshpool (Fron Llwyd)	Col. G. B. D. Harrison	5	1	3	500	33·7	37·45	191	164
D Gam (Abercannon Farm)	Severn River Board	5	1	0	800	...	91·72	255	217
M Gam (Afon Cannon)	Severn River Board	5	1	0	1120	...	100·25	...	...
M Garthbeibio (Ole Wen)	J. R. Jones, Esq., for M.O. ..	5	1	0	1250	...	90·05	...	...
D Llanymynech (Penrhos Vicarage) ..	Rev. W. Griffith	5	1	0	300	...	40·58	225	161
d Twrch (Dol y Gaseg)	Severn River Board	5	1	0	810	...	91·96	...	191
M Twrch (Cerniau)	Severn River Board	5	1	0	1160	...	107·50	...	...
M Afon Twrch	Severn River Board	5	1	0	1390	...	105·90	...	...
d Llanfyllin (Penllwyn)	Major J. E. M. Dugdale	5	0	7	649	40·4	51·63	...	...
M Lake Vyrnwy (Cownwy Dam)	Liverpool Corpn. W.W.	5	1	0	929	55·7	81·33	...	...
w Llanymynech (White Rock)	J. Moon, Esq.	5	1	0	350	...	37·06	...	...
D Lake Vyrnwy	British Waterways	5	0	10	770	54·0	79·33	257	216
M Lake Vyrnwy (Hen Gerig)	Liverpool Corpn. W.W.	5	1	0	1230	71·7	108·80	...	...
M Lake Vyrnwy (Bryn Gwyn)	Liverpool Corpn. W.W.	5	1	0	1311	56·7	91·37	...	...
D LAKE VYRNWY (Experimental Stn.)(+A)	Liverpool Corpn. W.W.	5	1	0	995	55·5	81·83	264	215
M Lake Vyrnwy (Fron Goch)	Liverpool Corpn. W.W.	5	1	0	835	...	84·95	...	...
M Lake Vyrnwy (Ty Uchaf)	Liverpool Corpn. W.W.	5	1	0	860	58·1	87·16	...	...
M Lake Vyrnwy (Heol-y-ffridd) ..	No. 1 Liverpool Corpn. W.W. ..	5	1	0	913	...	102·65	...	...
M Lake Vyrnwy (Heol-y-ffridd) ..	No. 2 Liverpool Corpn. W.W. ..	5	1	0	830	...	99·99	...	...
M Lake Vyrnwy (Tyn-y-ffridd) ..	Liverpool Corpn. W.W.	5	1	0	1010	...	78·65	...	...
M Lake Vyrnwy (Lluestwen)	No. 2 Liverpool Corpn. W.W. ..	5	1	0	1620	...	112·92	...	...
M Lake Vyrnwy (Llwynrhiw)	Liverpool Corpn. W.W.	5	1	0	1428	...	113·98	...	...
M Lake Vyrnwy (Nant Cawell)	Liverpool Corpn. W.W.	5	1	0	1610	77·4	113·25	...	...
M §Lake Vyrnwy (Hirnant)	Liverpool Corpn. W.W.	5	1	0	766	...	76·39	...	...
M Lake Vyrnwy (Eunant Bridge) ..	Liverpool Corpn. W.W.	5	1	0	830	...	100·56	...	...
M Lake Vyrnwy (Gadfa)	Liverpool Corpn. W.W.	5	1	0	1521	81·4	118·29	...	...
M Lake Vyrnwy (Carreg Goch)	Liverpool Corpn. W.W.	5	1	0	1780	66·1	94·39	...	...
M Lake Vyrnwy (Rhiwargor)	Liverpool Corpn. W.W.	5	1	0	860	...	92·95	...	...
M Lake Vyrnwy (Hen Eglwys)	Liverpool Corpn. W.W.	5	1	0	1420	...	92·39	...	...
M Lake Vyrnwy (Stone)	Liverpool Corpn. W.W.	5	1	0	1499	72·2	97·73	...	...
M §Lake Vyrnwy (Fawnog)	Liverpool Corpn. W.W.	5	1	0	1315	55·7	83·10	...	...
M Lake Vyrnwy (Pennant Melangell) ..	Liverpool Corpn. W.W.	8	1	0	660	...	78·69	...	...
M Lake Vyrnwy (Erw Berfedd)	Liverpool Corpn. W.W.	5	1	0	1800	...	105·20	...	...
d Pen-y-bont (Rhiwlas)	Liverpool Corpn. W.W.	5	1	0	748	...	57·36	...	...
FLINTSHIRE. (Area, 256 sq. mi.)									
1.—DEE. 198 sq. mi.									
D Hanmer (Gredington)	Lady Kenyon	5	1	0	300	30·4	36·33	201	150
D HAWARDEN Airfield	(+A) Meteorological Office ..	5	1	0	15	...	33·19	200	144
D Mold (Mount Pleasant)	W. K. Lewis, Esq., C.E. ..	5	1	0	503	...	41·59	219	174
D Cilcain (No. 2 Reservoir)	Hawarden & Dist. W.W. Co. ..	5	1	0	785	...	44·20	231	185
w Cilcain (No. 4 Reservoir)	Hawarden & Dist. W.W. Co. ..	5	1	0	900	...	43·99	...	...
D Northop (Soughton Hall)	R. W. Bankes, Esq.	5	1	0	418	32·1	40·95	213	173
D Connah's Quay (Mold Road)	W. K. Lewis, Esq., C.E. ..	5	1	0	43	...	38·07	224	171
D Connah's Quay (Pengwladys)	W. K. Lewis, Esq., C.E. ..	5	1	0	231	...	38·53	225	169
D HAWARDEN BRIDGE	Messrs. J. Summers & Sons ..	8	1	0	17	24·3	33·47	203	151
d ||Mostyn	Darwen & Mostyn Iron Co. ..	5	1	0	4	...	38·98	...	...
2.—CLWYD. 51 sq. mi.									
D Bodfari (Nantlys)	A. D. H. Pennant, Esq. ..	5	1	5	178	27·4	32·17	219	150
d St. Asaph (Dwilig Isaf Nursery) ..	Forestry Commission	5	1	0	60	...	32·42	...	142
D Dyserth (Penlee)	L. Wilson, Esq.	5	1	0	260	...	34·35	237	163

§ Turf wall round gauge.

|| Site unorthodox.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
FLINTSHIRE—(contd.)									
2.—CLWYD—(contd.)									
D RHYL (Westbourne Avenue) ..	(+A) Urban District Council ..	5	1	0	31	25·8	30·90	202	152
D PRESTATYN ..	Urban District Council ..	5	1	0	18	...	33·63	214	163
3.—SEVERN. Left Bank Tributaries. 7 sq. mi.									
DENBIGHSHIRE. (Area, 668 sq. mi.)									
1.—DEE. 278 sq. mi.									
D Chirk (Old Vicarage) ..	Miss J. B. Jagger ..	5	1	0	350	...	44·26	220	162
D Llangollen (Vivod) ..	Mrs. Best ..	5	1	0	640	36·5	49·11	225	185
D Wrexham W.W. (Penycae) ..	Engineer ..	8	1	0	678	...	47·86	209	174
M Wrexham W.W. (Bryn Adda) ..	Engineer ..	5	1	0	1214	...	52·02	...	...
M Wrexham W.W. (Ruabon Mountain) ..	Engineer ..	5	1	0	1634	...	53·84	...	...
M Wrexham W.W. (Mountain Lodge) ..	Engineer ..	8	0	9	1100	...	46·80	...	...
D Wrexham W.W. (Ty Mawr Res.) ..	Engineer ..	5	0	9	805	...	45·08	209	166
D Wrexham W.W. (Pack Saddle Res.) ..	Engineer ..	5	0	9	370	32·0	41·50	221	179
D Wrexham W.W. (Cae Llwyd Res.) ..	Engineer ..	8	0	9	918	...	48·87	210	169
M Wrexham W.W. (World's End) ..	Engineer ..	5	1	0	1573	...	53·77	...	...
M Wrexham W.W. (Erwau) ..	Engineer ..	5	1	0	1160	...	52·46	...	...
M Wrexham W.W. (Gwter Siani) ..	Engineer ..	5	1	0	1503	...	52·29	...	...
M Wrexham W.W. (Minera) ..	Engineer ..	5	0	9	1400	...	52·72	...	...
D Wrexham (Salisbury Park) ..	S. E. Ashmore, Esq. ..	5	1	0	283	...	36·66	215	157
D WREXHAM (Grove Park School) ..	(+A) S. E. Ashmore, Esq. ..	5	1	0	273	...	35·97	218	156
D Pendinas Reservoir ..	Brymbo Water Co. ..	5	1	0	1249	...	50·07	244	189
D BWLCHGWYN ..	S. E. Ashmore, Esq. ..	5	1	0	1267	...	50·85	249	191
D Nantyffrith Reservoir ..	Brymbo Water Co. ..	5	0	6	1040	...	49·69	239	193
D Llyncysfynwy ..	Brymbo Water Co. ..	5	0	6	1130	...	47·89	228	181
d Llanferres (Coed Clwyd Forest) ..	Forestry Commission ..	5	0	8	900	...	41·94	...	...
D Llanfihangel-glyn-myfyr ..	W. K. Lewis, Esq., C.E. ..	5	1	0	898	43·7	51·30	247	194
D River Alwen (Alwen Filter House) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	1100	46·4	60·18	261	206
D River Alwen (Alwen Dam) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	1189	49·1	65·24	264	214
D River Alwen (Hafod-y-llan-isaf) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	1180	...	62·67	264	213
Pentre Voelas (Nant Heilyn) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	1225	49·2	71·62	...	...
River Brenig (Hafod-yr-onen) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	1175	...	62·25	...	...
Nantglyn (Pant-y-maen) ..	W. K. Lewis, Esq., C.E. ..	8	1	0	1320	50·3	68·19	...	...
Llyn Brân ..	W. K. Lewis, Esq., C.E. ..	8	1	0	1428	52·1	68·20	...	...
2.—CLWYD & C. 267 sq. mi.									
D Clawdd-newydd No. 2 ..	W. K. Lewis, Esq., C.E. ..	5	1	0	983	37·5	45·89	205	181
D Clawdd-newydd (Foel Fach) ..	Forestry Commission ..	5	0	8	1000	...	41·53	203	175
Ruthin (Corwen Road) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	234	...	40·64	...	...
Llyn Aled ..	J. Round, Esq., A.M.I.C.E. ..	5	1	6	1228	...	60·09	...	...
D Ruthin (Bwlch Tunnel) ..	W. K. Lewis, Esq., C.E. ..	5	1	0	908	...	39·34	256	164
Llyn Aled (Moel-y-Bryniau) ..	J. Round, Esq., A.M.I.C.E. ..	5	1	4	1250	...	59·20	...	...
D Denbigh (Mental Hospital) ..	Clerk & Steward ..	5	1	0	316	...	38·80	211	176
D Llangwyfan (Hospital) ..	Hospital Secretary ..	5	1	0	460	...	36·88	235	168
Llanefydd (Dolwen Res., South) ..	J. Round, Esq., A.M.I.C.E. ..	5	1	0	600	...	42·56	...	...
Llanefydd (East) ..	J. Round, Esq., A.M.I.C.E. ..	5	1	0	570	...	42·03	...	...
D Llanefydd (Plas Uchaf Res.) ..	J. Round, Esq., A.M.I.C.E. ..	5	1	0	485	...	39·81	229	171
D Llanefydd (Glascoed Filter Station) ..	J. Round, Esq., A.M.I.C.E. ..	5	1	0	360	...	36·36	221	162
D COLWYN BAY (Eirias Park) ..	Borough Surveyor ..	5	1	0	118	31·1	36·56	214	160
3.—CONWAY. 4 sq. mi.									
D Pentre Voelas (Voelas Hall) ..	Col. J. C. Wynne Finch ..	5	1	3	640	53·2	70·87	264	206
D Tal-y-Cafn (Bodnant) ..	Lord Aberconway, C.B.E. ..	5	1	0	170	...	48·30	226	193

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or more	or more
		in.	ft.	in.	ft.	in.	in.		
DENBIGHSHIRE—(contd.)									
4.—SEVERN. Left Bank Tributaries. 47 sq. mi.									
D Llansilin (Penygwely Res.)	J. E. Taylor, Esq., C.E. ..	5	1	0	1115	39·8	49·31	220	175
MERIONETHSHIRE. (Area, 661 sq. mi.)									
1.—DEE. 218 sq. mi.									
M Cwm Hirnant (Maesafallen)	Dee & Clwyd River Board	5	1	4	957	60·8	82·60	...	...
§Wrexham W.W. (Cwm Gwyn)	Engineer	5	1	0	1600	...	70·25	...	...
M §Afon Lliw (Blaen Lliw Isaf)	Dee & Clwyd River Board	5	1	6	1279	85·6	120·40	...	...
D Bala (Boys' Grammar School)	Dee & Clwyd River Board	5	1	3	537	46·9	62·31	233	198
D Llandrillo (Crogen)	H. Robertson, Esq. ...	8	1	0	530	...	58·18	205	189
M §Trawsfynydd (Cwm Prysor)	British Electricity Authority	5	1	3	1300	78·0	85·80	...	...
d Afon Mynach (Hafod Nwydog)	Dee & Clwyd River Board ..	5	1	0	1198	65·3	83·11	...	...
Derwen (Minffordd)	W. K. Lewis, Esq., C.E. ..	5	1	0	971	...	50·07	...	...
2.—CLWYD. 7 sq. mi.									
3.—GLASLYN. 92 sq. mi.									
d Harlech (Dorwyn)	R. F. Pearce, Esq.	5	1	0	60	...	55·52	...	...
d Harlech (Royal St. Davids Golf Club)	Secretary	5	1	2	15	...	62·95	...	149
D Harlech (Hendre)	E. H. Price, Esq., for M.O.	5	1	0	750	...	81·93	247	214
M Trawsfynydd (Cefn Gell-y-Cwm)	British Electricity Authority	5	1	0	665	...	95·70	...	...
Trawsfynydd (Tyn Twell)	British Electricity Authority	5	1	3	750	...	113·30	...	...
M Trawsfynydd (Darn Gae)	British Electricity Authority	5	1	0	950	73·8	106·55	...	...
d Pandyrddrwyrd (Main Dam)	British Electricity Authority	5	1	3	650	...	91·88	...	...
w Tyddyn-y-Gareg (Hendre Mur)	British Electricity Authority	5	1	3	660	...	94·07	...	...
d Festiniog (Hafod Fawr)	Forestry Commission ..	8	1	4	1000	74·6	93·06	...	...
D §Llyn Morwynion	Ffestiniog U.D.C.	5	1	0	1320	...	130·95	256	227
D Manod Ffestiniog	Ffestiniog U.D.C.	5	1	0	713	...	127·59	269	247
D Ffestiniog (Penmaesllan)	Ffestiniog U.D.C.	5	1	0	545	...	105·29	250	228
d Blaenau Festiniog (Oakeley Quarry) ..	G. W. Humphreys, Esq. ..	5	1	0	1100	106·5	149·79	...	228
D Blaenau Festiniog (Llechwedd Quarry)	Messrs. J. W. Greaves & Son	5	1	0	700	101·1	139·55	247	224
4.—MAWDDACH & C. 262 sq. mi.									
d Towyn (Ynys-y-Maengwyn)	Mr. R. Jones	5	1	0	14	...	59·05	218	179
D BARMOUTH	Urban District Council ..	5	1	0	10	...	56·88	228	190
D Arthog (The Crescent)	Eric Parker, Esq.	5	1	0	6	...	64·58	241	199
D Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley ..	5	1	0	200	...	96·84	240	212
D Dolgelley (Borthwnog)	Col. C. W. H. Crichton ..	5	1	0	5	...	84·33	243	209
d Llanbedr (Llwyn)	A. Towers, Esq.	5	1	6	50	...	57·03	...	...
5.—DOVEY. 82 sq. mi.									
Aberdovey (Plas Penhelig)	Lt. J. M. Howell, Esq., D.L.	5	1	0	150	43·3	61·00	251	211
Pennal (Llwyn-Celyn)	Lt.-Col. M. V. le P. Trench	5	1	0	30	...	83·37	245	210
Aberangell (Gwynynd)	J. Norman Jones, Esq. ..	5	0	10	450	...	95·59	243	213
6.—SEVERN. Left Bank Tributaries.									
CAERNARVONSHIRE. (Area, 572 sq. mi.)									
1.—BARDSEY ISLAND.									
2.—CONWAY & C. 146 sq. mi.									
D Capel Curig (Gwydyr)	Forestry Commission ..	5	1	0	450	...	102·31	261	231
D Capel Curig (Glyn Curig)	W. S. Parrott, Esq., J.P. ..	5	2	0	710	84·8	122·21	275	239

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
CAERNARVONSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—CONWAY & C.—(contd.)									
Lake Cowlyd (Capel Curig)	British Electricity Authority	5	1	6	1400	92·0	111·81	...	...
Lake Llugwy	British Electricity Authority	5	1	0	1820	100·1	126·33	...	...
Lake Cowlyd (Ffrith Garreg Wen) ..	Conway & Colwyn Bay W. Bd.	5	1	0	1168	...	116·85	...	...
||Lake Cowlyd (Ffrith Fawr)	Conway & Colwyn Bay W. Bd.	5	1	0	1700	...	119·97	...	...
Lake Cowlyd (Cowlyd)	British Electricity Authority	5	1	0	1200	83·9	110·30	...	...
d Lake Eigiau (Dam Site)	British Electricity Authority	5	1	5	1244	...	101·83	...	...
D Llanrwst (Tal-y-bont)	G. Ellis, Esq.	5	1	0	60	...	76·48	268	215
w Llanbedr-y-Cennin (Melynllyn) ..	J. A. Edwards, Esq., C.E. ..	5	1	0	2065	...	159·51	...	...
w Llanbedr-y-Cennin (Llyndulyn) ..	J. A. Edwards, Esq., C.E. ..	8	1	6	1632	102·7	129·58	...	...
w Llanbedr-y-Cennin (Plasdulyn) ..	J. A. Edwards, Esq., C.E. ..	8	1	0	509	...	61·79	...	...
d Conway (Mussel Tanks)	Min. of Agric. & Fisheries	5	1	0	50	...	37·13	206	158
Deganwy (Y Berffa)	Mrs. Willoughby Gardner ..	5	1	0	35	31·2	34·22	...	...
D LLANDUDNO (Cricket Ground) ..	Medical Officer of Health ..	5	1	0	19	28·1	34·32	225	152
3.—MENAI STRAITS. 221 sq. mi.									
D Edeyrn Tydweiliog (Cefnamwlch) ..	Col. W. H. Wynne Finch ..	5	1	0	300	...	59·47	211	191
M Nantlle (Dorothea Quarry)	Dorothea Slate Quarry Co. ..	5	2	0	300	...	78·95	...	...
d Llandwrog (Glynllifon Gardens) ..	Glynllifon Agric. Institute ..	5	1	0	110	44·7	56·65	213	183
D Bethesda (Penrhyn Quarries)	General Manager	8	1	0	527	65·8	77·92	245	211
D Port Dinorwic (Vaynol)	Sir Michael Assheton-Smith ..	5	0	8	100	...	56·23	215	192
D Bangor (Bryn Adda)	Director, Exp. Hort. Stn. ..	5	1	0	275	...	56·15	264	194
D Bangor (Town Hall)	Water Engineer & Surveyor ..	8	1	6	50	...	53·84	225	179
D ABER (University College Farm) ..	Professor of Agriculture ..	5	1	0	60	...	51·80	251	199
D Llanfairfechan (School House) ..	Surveyor, U.D.C.	5	1	0	120	37·9	51·39	223	180
D Penmaenmawr (Treforris Road) ..	Mrs. E. H. Leonard	5	1	2	160	...	46·69	256	190
4.—ERCH & C. 155 sq. mi.									
D Pwllheli (West End)	B. V. Howell, Esq.	8	1	3	9	...	44·43	209	173
5.—GLASLYN. 50 sq. mi.									
D Beddgelert (Primary School)	Headmaster	5	1	2	133	88·6	116·23	249	220
D Snowdon (Cwm Dyli)	British Electricity Authority	5	1	0	310	117·9	176·65	268	250
D Snowdon (Cwm Dyli, Old Rd.) .. (+A)	British Electricity Authority	5	0	10	325	...	167·04	265	249
M Snowdon (Llewedd)	British Electricity Authority	5	1	3	1485	...	191·60	...	...
M Snowdon (Delta)	British Electricity Authority	5	1	0	1435	...	224·20	...	...
M Snowdon (Glaslyn)	British Electricity Authority	5	0	8	2050	...	211·40	...	...
M Snowdon (Teryn)	British Electricity Authority	5	1	0	1080	...	191·10	...	...
d Snowdon (Llydaw Intake)	British Electricity Authority	5	1	0	1480	...	190·95	...	...
d Snowdon (L. Llydaw Copper Mine) ..	British Electricity Authority	5	1	5	1480	...	205·65	...	...
Snowdon (Grib Goch)	British Electricity Authority	5	1	3	2340	...	227·50	...	...
ANGLESEY. (Area, 275 sq. mi.)									
D Bryn-siencyn (Trefarthen)	Miss E. Meyrick	5	1	0	30	...	43·67	240	181
D Newborough Forest	Forestry Commission	5	0	9	3	...	49·02	230	172
d Llangefni (Glanaber)	W. Rowlands, Esq.	8	1	2	70	...	52·96	...	...
d Llansadwrn (Treffos)	C. P. Vivian-Hampton, Esq. ..	5	0	9	318	...	57·16	...	...
D Llansadwrn (Gadlys Cottage)	A. E. C. Morgan, Esq., M.A. ..	5	1	0	340	...	55·05	265	195
D §HOLYHEAD (VALLEY Airfield) .. (+A)	Meteorological Office	8	1	0	32	32·9	41·18	212	157
D Llanerchymedd (Llwydiarth Esgob) ..	T. S. Bown, Esq.	5	1	0	175	38·1	49·31	228	183
D Marian Glas (Old Parciau)	Capt. M. R. Macnab	5	1	6	350	...	57·40	228	181
Amlwch (Dyffryn Adda)	Major C. Fanning Evans ..	5	1	3	178	36·3	46·93	226	178
d Cemaes Bay (Waterworks)	Twrcelyn R.D.C.	5	0	6	30	...	44·46	...	131

|| Gauge over-exposed.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
ISLE OF MAN. (Area, 227 sq. mi.)									
D Port St. Mary (The Point)	F. Edwards, Esq.	5	1	0	30	...	40·57	219	155
D RONALDSWAY Airport (+A)	Meteorological Office	5	1	0	55	31·0	42·80	216	158
D Ballagawne Reservoir	T. C. Greenfield, Esq., B.Sc.	5	1	0	365	36·5	50·56	223	166
W Douglas (Crangle Reservoir)	T. C. Greenfield, Esq., B.Sc.	5	1	0	500	43·2	61·39	...	...
D Peel (Glen Maye Filter House)	T. C. Greenfield, Esq., B.Sc.	5	1	0	265	...	41·89	208	162
D DOUGLAS (Borough Cemetery)	Borough Surveyor	5	1	0	284	41·2	56·84	227	165
D Douglas (Clype Reservoir, Onchan)	Water Engineer	8	1	0	440	43·9	57·59	237	184
D West Baldwin Reservoir	Water Engineer	5	1	0	475	55·7	79·65	253	212
M §Sulby Glen (Block Eary Dam)	T. C. Greenfield, Esq., B.Sc.	5	1	6	620	...	86·27	...	...
Maughold Head	Com'rs. of N. Lighthouses	5	0	6	230	...	46·42	...	146
D Sulby (Filter House)	T. C. Greenfield, Esq., B.Sc.	5	2	6	106	...	59·85	218	167
D Ramsey (Ballure Reservoir)	T. C. Greenfield, Esq., B.Sc.	5	1	0	245	...	69·53	235	181
D POINT OF AYRE	Lightkeeper, for M.O. ..	8	1	0	30	...	39·03	202	149
CHANNEL ISLANDS. (Area, 76 sq. mi.)									
JERSEY. 45 sq. mi.									
D St. Saviour (Petit Ménage)	G. J. Robin, Esq.	5	0	10	30	...	31·36	197	144
D St. HELIER (Harbour Office)	Greffier	8	1	0	28	...	29·01	176	132
D St. Helier (St. Louis Observatory) (+A)	Rev. Father C. Rey, S.J.* ..	8	1	5	180	30·4	32·59	195	142
D St. Brelade (La Sergenté)	W. Benest, Esq.*	5	1	4	194	...	29·73	192	139
D La Colline (Gorey)	R. Burrow, Esq.	5	1	0	120	...	31·45	178	140
D St. Peter's (JERSEY AIRPORT) .. (+A)	States of Jersey	5	1	0	273	...	32·63	193	142
D St. Lawrence (Beaumont Marsh)	R. Burrow, Esq.	5	1	0	60	...	39·08	188	142
D Millbrook Reservoir	R. Burrow, Esq.	5	2	0	53	...	35·26	187	151
D St. Ouen's Manor	Sir Guy Malet de Carteret*	5	1	4	260	...	31·83	181	140
D Handois Reservoir	R. Burrow, Esq.	5	1	0	272	...	37·06	210	156
D Trinity (States Experimental Farm) ..	States of Jersey*	5	0	10	340	...	36·48	199	154
D St. Ouen (Vincelez)	F. le Maistre, Esq.*	5	1	0	260	...	33·38	186	150
GUERNSEY. 25 sq. mi.									
D Haut Nez	W. H. Morgan, Esq.	5	1	0	340	...	35·49	208	149
D Kings Mills	W. H. Morgan, Esq.	5	1	0	45	...	35·77	186	145
D Les Quartiers	A. Higgs, Esq.	5	1	2	60	...	33·67	201	142
D GUERNSEY (STATES AIRPORT)	Commandant	5	1	0	340	...	34·44	191	140
D Vale (La Turquie Hill)	H. W. Smith, Esq.	5	1	0	40	...	23·63	178	129
D Sark (La Clôture)	W. J. Roe, Esq.	5	2	6	300	...	33·97	197	145

Scotland

DIVISION XII—SOUTHERN COUNTIES

WIGTOWNSHIRE. (Area, 488 sq. mi.)

1.—LOCH RYAN. 46 sq. mi.									
D Castle Kennedy (Lochinch)	The Earl of Stair	5	1	0	85	...	57·25	242	193
D Stranraer Filters	Burgh Surveyor	5	1	0	227	...	64·09	246	188
2.—WESTERN GALLOWAY. 44 sq. mi.									
D ||Logan House	Mr. G. Steadwood	8	1	2	60	37·3	50·43	289	180
Corsewall	Com'rs. of N. Lighthouses ..	5	1	6	48	34·1	(47·77)	...	...

§ Turf wall round gauge.

* Per R. Burrow, Esq.

|| Gauge over-sheltered.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
WIGTOWNSHIRE—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
3.—LUCE BAY. 186 sq. mi.									
d Port William (Monreith)	.. Monreith Estate Company	5	1	0	145	38·5	50·15	219	168
d Stoneykirk(WESTFREUGH Airfield)(+A)	Meteorological Office ..	5	1	0	52	...	50·52	219	169
w Glenluce (Dunragit)	.. Dept. of Agriculture ..	5	1	0	341	...	55·94	...	...
d Glenluce (Camrie Reservoir)	.. Dept. of Agriculture ..	5	1	2	323	...	64·46	...	193
4.—CREE & WIGTOWN BAY. 212 sq. mi.									
d Garlieston (Galloway House)	.. P. H. Fletcher, Esq. ..	5	0	11	30	39·1	54·65	231	186
d Garlieston (Culderry)	.. Capt. A. Walmsley ..	5	1	0	25	...	52·44	225	185
w Kirkcowan (Craighlaw)	.. Mrs. S. R. Fleming-Hamilton	5	1	0	300	48·3	(60·62)	...	...
d Newton Stewart (Little Barraer) ..	.. H. P. Hawthorn, Esq. ..	5	1	0	180	44·8	62·70	239	191
d Newton Stewart (Duncree)	.. Maj.-Gen. Sir Keith Stewart	5	1	0	125	...	63·47	238	196
KIRKCUDBRIGHTSHIRE. (Area, 902 sq. mi.)									
1.—DOON. 16 sq. mi.									
2.—CREE & WIGTOWN BAY. 222 sq. mi.									
d Borgue (Roberton)	.. J. Douglas Brown, Esq., O.B.E.	5	1	0	50	39·8	51·27	232	185
d Kirroughtree Forest	.. Forestry Commission ..	5	1	3	50	...	79·11	...	208
3.—DEE. 377 sq. mi.									
d GLENLOCHAR	.. British Electricity Authority	5	0	9	154	...	62·54	221	180
d Threave	.. Major A. F. Gordon ..	5	1	0	275	...	64·39	233	187
d Mossdale (Hensol)	.. The Marchioness of Ailsa ..	8	1	0	200	51·7	71·34	...	193
d Laggan of Dee	.. British Electricity Authority	5	1	0	550	...	92·35	236	200
d Clatteringshaws (Tunnel Intake) ..	.. British Electricity Authority	5	1	0	600	70·5	82·58	247	211
d New Galloway (Wellwood)	.. W. McClure, Esq. ..	5	1	0	232	...	70·85	245	185
d Craigencallie	.. British Electricity Authority	5	1	0	740	80·1	111·30	250	217
d Loch Dee	.. British Electricity Authority	5	1	0	800	81·5	114·79	...	...
d Dalry (GLENLEE) (+A)	.. British Electricity Authority	5	1	0	181	...	79·20	243	194
d Dalry (Garroch)	.. Arthur Young, Esq. ..	8	1	0	250	59·7	80·74	240	197
d Dalry (Creaganfois)	.. R. C. Hayward, Esq. ..	5	1	0	410	...	64·01	229	184
d Dalry (Forrest Lodge)	.. R. M. Watson, Esq. ..	5	1	0	500	63·2	91·53	236	203
d Dalry (Kendoon)	.. British Electricity Authority	5	0	6	520	...	69·83	244	194
d Carsphairn (Fingland)	.. British Electricity Authority	5	1	0	940	51·1	71·52	252	205
d Carsphairn (The Knowe)	.. J. A. Hunter, Esq. ..	8	2	0	550	...	75·31	228	206
d Carsphairn (Cornharrow)	.. British Electricity Authority	5	1	0	810	53·6	75·85	231	205
d Carsphairn (Knockengarroch)	.. British Electricity Authority	5	1	0	740	58·2	74·58	249	225
d Carsphairn (Drumjohn)	.. British Electricity Authority	5	1	0	746	...	76·85	252	217
d Carsphairn Moor	.. British Electricity Authority	5	1	0	790	65·6	87·87	261	224
4.—URR & C. 196 sq. mi.									
d Auchencairn (Daffin Cottage)	.. Mrs. M. C. Milligan ..	5	1	3	50	...	67·97	222	183
d Auchencairn (Torr House)	.. Thomas Ovens, Esq. ..	5	1	0	50	47·1	69·44	...	...
d Castle Douglas (The Leaths)	.. Imperial Chem. Indust. Ltd.	5	1	0	196	...	63·29	218	180
d Castle Douglas (Corbieton)	.. Miss A. G. Biggar ..	5	0	9	175	...	62·34	224	178
d Chipperkyle	.. Miss Isobel Pollok-Morris..	5	1	6	310	...	66·62	...	192
5.—NITH & C. 91 sq. mi.									
d Lochrutton (Dumfries Waterworks) ..	.. J. R. Whyte, Esq., C.E. ..	5	1	0	273	44·0	64·24	233	195
d Glenkiln Reservoir	.. J. R. Whyte, Esq., C.E. ..	5	1	0	450	...	74·09	...	200

|| Gauge over-sheltered.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1954			
				Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
				in.	ft.	in.		ft.				in.
DUMFRIESSHIRE. (Area, 1,074 sq. mi.)				in.	ft.	in.	ft.	in.	in.			
1.—CLYDE. Right Bank Tributaries. 5 sq. mi.												
M	§Daer (Whiteholm)	..	..	Water Engineer, Lanarkshire	5	1	0	1360	...	102·50	...	...
2.—URR. 6 sq. mi.												
3.—NITH & C. 421 sq. mi.												
D	RUTHWELL (Comlongon Castle)	..	..	The Earl of Mansfield	5	1	0	95	35·5	52·53	228	178
D	§DUMFRIES (Crichton Royal Institute)	..	..	Physician Superintendent	5	1	0	140	39·1	54·73	223	169
d	Blackwood	..	..	T. H. Kennedy, Esq.	5	1	6	100	41·1	59·90	...	181
D	Maxwelton House	..	..	Maj. Gen. Sir J. E. Laurie, Bt.	5	1	0	350	...	58·44	233	180
D	Kettleton	..	..	County Engineer	5	1	0	640	...	66·74	251	195
M	§Whiteside Hill	..	..	County Engineer	5	1	0	1680	74·3	(104·55)	...	...
M	Euchanhead	..	..	County Engineer	5	1	0	1370	77·6	94·14	...	...
D	Euchanbank	..	..	County Engineer	5	1	0	1080	...	89·42	265	220
M	Poltallan Burn	..	..	County Engineer	5	1	0	1550	...	90·04	...	...
D	Durrisdeer (Drumlanrig)	..	..	Master of Works	6	0	9	191	43·6	66·10	244	205
D	Kirkconnel (Fauldhead)	..	..	National Coal Board	8	1	0	530	...	66·01	243	204
4.—ANNAN. 367 sq. mi.												
D	Dalton (Kirkwood)	..	..	Captain J. Steel	5	1	8	260	...	61·57	229	185
D	Parkgate (Glenview)	..	..	Forestry Commission	5	1	0	538	...	67·89	237	196
M	Forest of Ae (Cran Loch)	..	..	Forestry Commission	5	1	2	1100	...	75·38	...	...
D	Moffat (St. Margarets)	..	..	Sir W. R. Younger, Bart.	5	1	0	463	...	68·97	203	185
5.—ESK. 275 sq. mi.												
D	Eaglesfield (Springkell Gardens)	..	..	Lt.-Col. R. Johnson-Ferguson	5	1	0	303	41·3	60·85	225	183
D	Half Morton (Solway Bank)	..	..	Major B. Johnson-Ferguson	5	0	8	466	...	66·90	240	192
D	Canonbie (Irvine House)	..	..	Capt. J. G. Milne-Home	5	0	9	200	46·5	66·53	214	183
D	Winterhope	..	..	County Engineer	5	1	0	570	...	74·14	242	208
D	Langholm (Craigcleuch)	..	..	J. B. Robertson, Esq.	5	1	0	490	...	80·93	245	205
D	Eskdalemuir (Sandyford)	..	..	County Engineer	5	1	0	728	...	71·31	287	235
M	§Eskdalemuir (Cairn Knowe)	..	..	County Engineer	5	1	0	1107	...	80·86	...	...
M	Eskdalemuir (Blackeshead)	..	..	County Engineer	5	1	0	797	...	77·16	...	...
M	§Eskdalemuir (Peat Rig)	..	..	County Engineer	5	1	0	1251	...	87·16	...	...
M	Eskdalemuir (Garwaldshiels)	..	..	County Engineer	5	1	0	941	...	82·07	...	...
M	§Eskdalemuir (Monkingshaw Knowe)	..	..	County Engineer	5	1	0	1054	...	87·98	...	...
D	Eskdalemuir (Johnstone House)	..	..	Lady Lethem	5	1	0	650	...	77·54	244	198
M	§Eskdalemuir (Jock's Shoulder)	..	..	County Engineer	5	1	0	1757	...	91·12	...	...
D	Eskdalemuir (Kiddamhill)	..	..	County Engineer	5	1	0	905	...	90·66	297	243
D	ESKDALEMUIR Observatory	..	(+A)	Meteorological Office	8	1	4	794	56·3	80·71	257	199
ROXBURGHSHIRE. (Area, 666 sq. mi.)												
1.—NORTH TYNE. 6 sq. mi.												
2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.												
D	Yetholm (Old Graden)	..	..	P. S. Short, Esq.	5	1	0	500	...	35·69	216	156
D	CHEVIOT HILLS (SOURHOPE)	..	(+A)	Hill Farming Research Org.	5	1	0	900	...	43·28	222	169
3.—TWEED. Teviot & c. 431 sq. mi.												
D	Denholm (Spital Tower)	..	..	J. G. Leadbetter, Esq.	5	0	6	425	32·7	38·67	244	174
d	Jedburgh (Jedneuk)	..	..	Capt. J. S. Aikman, M.C.	5	1	0	270	26·3	33·73	248	153
d	Crailing	..	..	Mr. J. Y. Burns	5	1	0	190	27·6	33·32	226	157
d	Ancrum (Monteviot)	..	..	Capt. J. S. Aikman, M.C.	5	1	0	210	29·8	34·12	...	...

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			.01 in. or more	.04 in. or more
			Sea Level						
ROXBURGHSHIRE—(contd.)		in.	ft.	in.	ft.	in.	in.		
4.—TWEED. Ettrick & c. 10 sq. mi.									
D Melrose (Dingleton Hospital) ..	Superintendent ..	5	1	0	480	30.8	34.90	219	155
d Melrose (The Anchorage) ..	Major J. A. Paton ..	5	1	3	300	...	36.60	207	161
5.—TWEED. Gala. 6 sq. mi.									
6.—TWEED. Leader & c. 25 sq. mi.									
7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.									
D KELSO (FLOORS) ..	The Duke of Roxburghe ..	5	1	0	195	26.0	34.10	207	157
8.—ESK. 106 sq. mi.									
Newcastleton Forest ..	Forestry Commission ..	5	1	0	800	48.5	68.77	...	...

DIVISION XIII—SOUTH-EASTERN COUNTIES

SELKIRKSHIRE. (Area, 268 sq. mi.)

1.—TWEED. Teviot & c. 34 sq. mi.									
2.—TWEED. Ettrick & c. 192 sq. mi.									
d Selkirk (Burn Mill) ..	County Surveyor ..	5	1	6	390	...	41.46	...	...
M §Edinburgh W.W. (Megget Head) ..	Edinburgh Water Engineer ..	8	1	6	1496	...	(81.09)	...	...
D Walkerburn (Elibank) ..	Sir John Milne Home ..	5	1	0	440	...	45.31	230	173
3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.									
4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.									
D Caddonfoot (Fairmile) ..	Mr. A. Bruce ..	5	1	0	450	32.5	46.65	235	169
M §Galashiels (Knowsdean Reservoir) ..	Water Superintendent ..	5	1	0	892	...	46.40	...	...
M §Galashiels (Craig Head) ..	Water Superintendent ..	5	1	0	900	...	47.55	...	...
M §Galashiels (Caddonhead) ..	Water Superintendent ..	5	1	6	1050	...	48.50	...	...

5.—TWEED. Gala. 6 sq. mi.

PEEBLESSHIRE. (Area, 348 sq. mi.)

1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.									
M Edinburgh W.W. (Ravenscraig) ..	Edinburgh Water Engineer ..	8	1	6	2258	81.1	117.85	...	...
M §Edinburgh W.W. (Ballaman Hill) ..	Edinburgh Water Engineer ..	5	1	6	1700	58.7	80.30	...	...
M Edinburgh W.W. (Gameshope Loch) ..	Edinburgh Water Engineer ..	5	1	0	1900	...	103.41	...	...
M Edinburgh W.W. (Garelot Dod) ..	Edinburgh Water Engineer ..	5	1	6	2200	...	100.10	...	...
M Edinburgh W.W. (Gameshope Farm) ..	Edinburgh Water Engineer ..	8	1	6	1538	71.3	97.95	...	...
M Edinburgh W.W. (Fruid Farm) ..	Edinburgh Water Engineer ..	5	1	6	1020	49.2	76.20	...	...
M §Edinburgh W.W. (Shiel Hope) ..	Edinburgh Water Engineer ..	5	1	6	1300	51.3	71.10	...	...
M Edinburgh W.W. (Hawkshaw) ..	Edinburgh Water Engineer ..	5	1	6	1100	48.7	68.00	...	...
M Edinburgh W.W. (Talla Linns Foot) ..	Edinburgh Water Engineer ..	8	1	6	966	55.2	78.24	...	...
M Edinburgh W.W. (Upper Menzion) ..	Edinburgh Water Engineer ..	5	1	6	1020	...	66.30	...	...
M Edinburgh W.W. (Nether Garelot) ..	Edinburgh Water Engineer ..	5	1	0	1700	56.0	79.68	...	...
M §Edinburgh W.W. (The Rig) ..	Edinburgh Water Engineer ..	5	1	6	1150	46.2	64.30	...	...
M §Edinburgh W.W. (Quarter Hill) ..	Edinburgh Water Engineer ..	8	1	0	1196	46.4	69.91	...	...

§ Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or more	or more
PEEBLESHIRE—(contd.)									
2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.									
D Stobo Castle	Mr. Andrew Dunlop ..	5	1	0	594	34·9	51·91	267	195
d PEEBLES (High School)	Rector	5	1	0	600	...	42·80	...	...
D West Linton (Woodlea Cottage) ..	Edinburgh Water Engineer	5	0	11	801	35·7	46·78	258	189
D WEST LINTON (Western Green) ..	P. Hadland, Esq. ..	5	1	0	880	...	50·91	237	199
D West Linton (Baddingsgill Reservoir)	T. Aitken, Esq. ..	8	1	0	1100	44·6	57·15	268	208
3.—ESK. 23 sq. mi.									
D Eddlestone (Portmore Reservoir) ..	Edinburgh Water Engineer	5	0	6	1000	35·2	46·68	254	180
D Carlops (North Esk Reservoir) ..	J. Gilmour, Esq. ..	5	1	0	1150	39·5	52·45	258	201
4.—CLYDE. Right Bank Tributaries. 6 sq. mi.									
BERWICKSHIRE. (Area, 457 sq. mi.)									
1.—TWEED. Gala. 6 sq. mi.									
2.—TWEED. Leader. 92 sq. mi.									
D Earlston (Cowdenknowes)	Mr. James Mackie ..	5	1	3	300	28·8	37·20	203	157
D Earlston (Carolside)	Sir John Gilmour, Bart. ..	5	1	0	350	...	38·72	211	157
3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.									
D Coldstream (Lochton)	Mrs. Aitchison	5	1	0	150	25·9	30·16	201	144
D Swinton House	(+A) Canon A. E. Swinton, M.A.	5	1	0	200	26·4	31·52	220	158
d Paxton (Tweedhill)	C. H. Brackenbury, Esq. ..	5	1	0	50	...	29·70	...	162
4.—TWEED. Whiteadder. 164 sq. mi.									
D MARCHMONT House	Sir John McEwen, Bart. ..	5	1	0	498	32·2	36·81	227	161
D Duns Castle	Col. G. H. Hay	5	1	0	500	30·8	34·62	211	158
D Duns (Manderston)	Major C. W. H. Bailie ..	5	2	6	353	30·7	34·86	215	157
D Longformacus (Whitchester) ..	Mrs. Landale	5	1	0	838	...	41·23	220	169
5.—EAST COAST STREAMS. 80 sq. mi.									
D St. Abb's Head Lighthouse	Northern Lighthouse Board	5	1	0	245	...	24·01	199	143
d Cockburnspath (Redheugh)	T. S. Dykes, Esq. ..	5	1	0	288	...	32·12	197	144
EAST LOTHIAN. (Area, 267 sq. mi.)									
1.—TWEED. Leader. 1 sq. mi.									
2.—TWEED. Whiteadder. 35 sq. mi.									
3.—EAST COAST STREAMS. 69 sq. mi.									
Garvald (Donolly Reservoir)	Adam Robson, Esq. ..	5	1	0	532	32·8	37·29	...	...
Garvald (Thorter Reservoir)	Adam Robson, Esq. ..	5	1	0	725	...	38·67	...	...
D East Linton (Phantassie Gardens) ..	W. A. Henderson, Esq. ..	5	1	0	50	...	29·64	197	143
D DUNBAR (Public Park)	Burgh Surveyor	5	1	0	75	...	24·66	184	127
4.—TYNE & C. 114 sq. mi.									
D Lammermuir Hills (West Hopes) ..	Adam Robson, Esq. ..	5	1	0	736	34·4	42·93	215	175
Lammermuir Hills (Stobshiel Res.)	Adam Robson, Esq. ..	5	1	0	927	...	40·73	...	...
w Lammermuir Hills (Lammerloch Res.)	Adam Robson, Esq. ..	5	1	0	900	...	42·81	...	...
D Haddington (Neilson Park)	Burgh Surveyor	5	1	0	161	...	30·99	211	146
5.—FIRTH OF FORTH. 48 sq. mi.									
d East Fortune Hospital	Clerk of Works	5	1	4	101	23·5	29·78	...	132
D Aberlady (Ards Place)	Mrs. Hemingway	5	1	0	40	...	32·42	209	158
d ||North Berwick (Netherheugh) ..	Hector Macpherson, Esq. ..	5	0	9	120	...	30·63	...	...

|| Gauge over-sheltered.

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954		
				Diam.	Height of		in.		in.	Days with .01 in. or more	Days with .04 in. or more
				Rim above Ground	Ground above Sea Level						
EAST LoTHIAN—(contd.)											
5.—FIRTH OF FORTH—(contd.)											
D	North Berwick Reservoir	A. Robertson, Esq., C.E. ..	5	1	0	150	25.4	32.19	211	143	
D	NORTH BERWICK (Gasworks)	Town Council	5	1	0	118	25.1	31.52	212	151	
6.—INSULAR.											
M	Fidra Lighthouse	Com'rs of N. Lighthouses ..	5	2	0	40	21.0	24.18	...	...	
MIDLoTHIAN. (Area, 369 sq. mi.)											
1.—TWEED. Gala. 68 sq. mi.											
D	Stow (Cragdale)	A. H. Fairgrieve, Esq. ..	5	0	6	642	33.0	48.19	239	180	
2.—TYNE. 28 sq. mi.											
D	Ford (The Dowry House)	A. H. H. Ross, Esq. ..	5	1	0	420	...	34.76	209	158	
d	Ford (Oxenfoord Castle)	Lady Marjorie Dalrymple ..	5	1	0	409	...	34.98	...	...	
3.—FIRTH OF FORTH. 3 sq. mi.											
4.—ESK. 116 sq. mi.											
M	Moorfoot Hills (Bowbate)	Edinburgh Water Engineer	5	1	0	1260	...	53.30	...	...	
D	Moorfoot Hills (Rosebery)	Edinburgh Water Engineer	5	0	6	750	32.1	43.35	224	178	
D	PENicuIK	Dr. J. T. Baldwin	5	1	0	620	...	46.90	227	186	
d	Gorebridge	Hugh Arnott, Esq.	5	1	0	560	29.3	38.22	208	142	
M	Pentland Hills (Harehill)	Edinburgh Water Engineer	5	1	2	1297	...	47.98	...	...	
D	Pentland Hills (Martyr's Cross) ..	Edinburgh Water Engineer	5	1	0	750	35.5	41.80	259	184	
D	Pentland Hills (Loganlea)	Edinburgh Water Engineer	5	1	0	811	38.5	46.57	228	179	
D	Pentland Hills (Glencorse Filters)	Edinburgh Water Engineer	5	0	11	638	35.0	43.72	230	186	
D	Pentland Hills (Glen Cottage) ..	Edinburgh Water Engineer	5	1	3	739	35.2	45.97	234	189	
D	Newbattle (Public School)	C. D. Walinck, Esq., M.A.	5	1	0	300	25.7	36.92	203	144	
5.—ALMoND & C. 153 sq. mi.											
D	Pentland Hills (Crosswood)	Edinburgh Water Engineer	5	0	10	950	39.5	52.33	252	197	
D	Pateshill Reservoir	T. Aitken, Esq.	5	1	3	900	...	43.71	236	180	
D	Pentland Hills (Harperrig) .. (+A)	Edinburgh Water Engineer	5	1	0	900	38.8	46.37	241	179	
D	Pentland Hills (Morton)	T. Aitken, Esq.	5	1	0	749	37.4	49.04	244	189	
d	West Calder (Addiewell)	Scottish Oils, Ltd.	5	1	0	620	35.7	49.34	225	178	
D	BALERNO (Cockburn Farm)	Dr. A. D. Buchanan-Smith	5	1	0	700	...	43.16	212	173	
D	Pentland Hills (Harlaw Reservoir) ..	Edinburgh Water Engineer	5	1	0	800	...	37.41	218	160	
D	Pentland Hills (Clubbidean Reservoir)	Edinburgh Water Engineer	5	1	0	773	30.4	37.77	211	159	
D	MIDCALDER (Howden) (+A)	Soc. for Res. in Agric. Eng.	5	1	0	400	...	41.64	219	164	
M	Pentland Hills (Swanston)	Edinburgh Water Engineer	5	1	0	645	31.6	35.30	...	...	
D	Fairmilehead (Frogston Road)	J. Aitchison, Esq.	5	1	0	600	...	37.20	214	160	
D	Fairmilehead (Waterworks)	Edinburgh Water Engineer	5	1	0	590	30.8	37.50	217	151	
D	Liberton (Alnwick Hill) (+A)	Edinburgh Water Engineer	5	1	0	407	28.5	36.47	218	157	
M	Liberton (Hawkhead Grove)	G. M. Stuart, Esq., M.B.E.	5	1	0	400	...	38.50	...	...	
D	Colinton (Firhill Tank)	Edinburgh Water Engineer	5	0	10	412	29.0	37.95	223	161	
D	LIBERTON (College Farm)	Edin. & E. Scot. Coll. of Ag.	5	1	0	190	27.7	36.06	210	140	
D	Liberton (The Inch)	Superintendent of Parks ..	5	1	0	150	...	38.62	218	161	

6.—CLYDE. Right Bank Tributaries. 1 sq. mi.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST LOTHIAN. (Area, 120 sq. mi.)									
1.—ALMOND & C. 60 sq. mi.									
M Uphall	No. 7 W. Lothian Hospital Board	8	1	4	646	...	44.85	...	...
M Uphall	No. 8 W. Lothian Hospital Board	8	1	4	577	32.7	43.30	...	...
d Uphall (Middleton Hall)	Scottish Oils, Ltd.	8	1	0	350	31.4	41.66	...	...
d Dalmeny House	The Earl of Rosebery	5	0	6	20	25.9	36.31	193	147
d Uphall (Broxburn)	Scottish Oils, Ltd.	8	1	0	262	...	41.96	...	...
2.—FORTH. Right Bank Tributaries. 59 sq. mi.									
D Blackridge (Bedlormie)	D. Tennant, Esq.	5	1	0	650	...	57.48	262	198
D || Armadale (Stonerigg Filters)	County Water Engineer	5	1	0	620	...	35.04	225	159
D Armadale (Sewage Works)	Burgh Surveyor	5	1	0	417	...	48.52	230	181
D Bathgate (Northbank Filters)	J. Spalding, Esq.	5	0	9	640	33.2	48.01	231	184
D Torphichen (Lochcote)	Wm. Beattie, Esq.	5	0	9	550	33.5	46.35	248	180
D Uphall (Beecraigs)	T. Aitken, Esq.	5	1	0	477	...	48.73	236	183
M Carribber Reservoir	Wm. Beattie, Esq.	5	0	9	350	33.1	43.17	...	...
D Linlithgow (Preston House)	Head Gardener	5	1	0	380	32.6	47.88	253	179
D Linlithgow (Grange)	Col. H. M. Cadell	5	1	0	440	30.2	41.87	231	172
3.—CLYDE. Right Bank Tributaries. 1 sq. mi.									

DIVISION XIV—SOUTH-WESTERN COUNTIES

LANARKSHIRE. (Area, 881 sq. mi.)

1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.									
2.—ALMOND. 14 sq. mi.									
3.—FORTH. Right Bank Tributaries. 9 sq. mi.									
D Airdrie (Forrestburn Reservoir)	T. Aitken, Esq.	5	1	0	735	37.1	57.64	231	195
4.—CLYDE. Right Bank Tributaries. 378 sq. mi.									
M §Daer (Lamb Sike)	County Water Engineer	5	1	0	1310	...	100.90	...	...
§Daer (Crookburn) <i>new site</i>	County Water Engineer	5	1	0	1163	...	107.35	...	...
M §Daer (Whiteburn)	County Water Engineer	5	1	0	1250	...	96.03	...	...
§Daer (Crookburn) <i>old site</i>	County Water Engineer	5	1	0	1124	...	100.34	...	...
D §Daer (Sweetshaw Burn)	County Water Engineer	5	1	0	1152	...	86.97	254	219
D §Daer (Garls Craig)	County Water Engineer	5	1	0	985	...	92.39	238	218
M §Crawford (Camps Res.) Risingclaw	County Water Engineer	5	1	0	1610	56.0	88.90	...	...
M §Crawford (Camps Res.) Peat Rig	County Water Engineer	5	1	0	1485	53.4	82.65	...	...
M §Crawford (Camps Res.) Whitecamp	County Water Engineer	5	1	0	1155	50.2	71.00	...	...
D Crawford (Camps Reservoir) .. (+A)	County Water Engineer	5	0	10	969	44.0	58.39	252	207
M Crawford (Camps Res.) Kneesend	County Water Engineer	5	1	0	1205	47.0	68.15	...	...
M Crawford (Camps Res.) Hillshaw	County Water Engineer	5	1	0	1805	54.7	76.10	...	...
M §Crawford (Camps Res.) Linnburn	County Water Engineer	5	1	0	1210	48.8	68.55	...	...
W Coulter Reservoir	J. Bissett Scott, Esq., C.E... ..	5	1	0	1157	...	57.10	...	...
M Lamington (Cowgill Reservoir)	D. T. Brown, Esq.	5	1	0	1012	42.4	53.89	...	...
D Biggar (Huntfield)	Miss Dunlop	5	1	0	900	31.5	43.17	242	180
D Bonnington Weir	British Electricity Authority	5	1	0	572	...	42.80	231	178
D Stonebyres Weir	British Electricity Authority	5	1	0	306	...	39.80	228	172
D CARNWATH	S.F. Macdonald Lockhart, Esq.	5	1	1	706	...	44.31	256	186
D Carluke (Coldstream Reservoir)	J. Bissett Scott, Esq., C.E... ..	5	1	0	800	...	43.25	236	182
M Carluke	J. Barr, Esq.	5	0	7	630	...	43.48	...	...
W Carluke (Springfield Reservoir)	J. Bissett Scott, Esq., C.E... ..	5	1	0	860	39.5	45.49	...	...

|| Gauge over-exposed.

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
LANARKSHIRE—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—CLYDE—(contd.)									
D Carluke (Gair Reservoir) ..	J. Bissett Scott, Esq., C.E. ..	5	1	0	665	34·9	42·74	227	172
Wishaw (Coronation Street) ..	A. Hinshelwood, Esq. ..	5	1	3	510	...	43·98	...	...
D Motherwell (Elvan Street) ..	Mr. M. Dunn ..	5	0	10	175	...	47·90	248	182
D Shotts Reservoir ..	County Water Engineer ..	5	1	0	812	...	51·23	239	190
D Glasgow (Tollcross Park) ..	G. H. Garside, Esq. ..	5	1	0	84	37·4	51·88	233	196
D Glasgow Green ..	G. H. Garside, Esq. ..	5	1	0	35	36·0	49·84	225	191
D Glasgow (Alexandra Park) ..	G. H. Garside, Esq. ..	5	1	0	141	36·0	51·28	231	197
D Glasgow (Kelvingrove Park) ..	G. H. Garside, Esq. ..	5	1	0	48	36·1	52·32	226	199
D Glasgow (Victoria Park) ..	G. H. Garside, Esq. ..	5	1	0	30	36·1	51·41	250	195
D Glasgow (Ruchill Park) ..	G. H. Garside, Esq. ..	5	1	0	228	36·0	55·31	238	205
D GLASGOW (SPRINGBURN PARK) ..	G. H. Garside, Esq. ..	5	0	6	351	36·9	56·31	247	204
M Clarkston (Roughrigg Reservoir) ..	D. T. Brown, Esq., C.E. ..	5	1	0	664	35·8	50·38	...	...
d Coatbridge (West End Park) ..	S. Lauder, Esq. ..	5	1	0	240	...	49·63	...	197
D COATBRIDGE ..	Sewage Works Manager ..	5	1	0	256	...	47·05	211	178
D Coatbridge (Whifflet Public Park) ..	S. Lauder, Esq. ..	5	1	0	295	...	48·96	273	192
D Coatbridge (Dunbeth Public Park) ..	S. Lauder, Esq. ..	5	1	0	325	...	49·77	289	202
D Airdrie (Broomknoll Street) ..	D. T. Brown, Esq., C.E. ..	5	1	0	402	35·0	50·63	239	184
D Gartcosh (Gartloch Hospital) ..	Mr. Donald McMillan ..	5	1	0	291	36·6	51·27	239	195
5.—CLYDE. Left Bank Tributaries. 448 sq. mi.									
M Daer (Thick Cleuch) ..	County Water Engineer ..	5	1	0	1485	...	108·80	...	...
D §Daer (Daerhead) ..	County Water Engineer ..	5	1	0	1304	...	106·97	253	226
M §Daer (Upper Carsehope) ..	County Water Engineer ..	5	1	0	1600	...	109·20	...	...
M §Daer (Lower Carsehope) ..	County Water Engineer ..	5	1	0	1180	...	104·85	...	...
D §Daer (Kirkhope) <i>new gauge</i> ..	County Water Engineer ..	5	1	0	1170	...	104·90	255	229
M §Daer (Kirkhope) <i>old gauge</i> ..	County Water Engineer ..	5	1	0	1103	...	102·65	...	...
M §Daer (Kirkhope Cleuch) ..	County Water Engineer ..	5	1	0	1350	...	109·00	...	...
M §Daer (Hitteril) ..	County Water Engineer ..	5	1	0	950	...	88·10	...	...
M Elvanfoot (Potrenick Burn) ..	J. Bissett Scott, Esq., C.E. ..	5	1	0	1004	61·5	88·33	...	...
D Elvanfoot (Peden Reservoir) ..	J. Bissett Scott, Esq., C.E. ..	5	1	0	964	65·1	84·96	259	217
D LEADHILLS (Muirhouse) ..	D. Grant, Esq. ..	5	1	0	1270	...	82·83	260	224
D Douglas (Monksfoot) ..	Miss J. Steele ..	5	1	0	780	...	68·08	249	229
D Strathaven (GLENGAVEL Reservoir) ..	County Water Engineer ..	5	1	0	839	47·9	75·92	269	226
D Strathaven (Dunside Reservoir) ..	County Water Engineer ..	5	1	0	1002	46·3	67·75	245	206
D Strathaven (Kype Reservoir) ..	Water Engineer, Hamilton ..	5	1	0	941	46·6	66·87	247	208
D Stonehouse (Glassford Filters) ..	County Water Engineer ..	5	0	9	775	39·8	60·36	236	200
D Hamilton W.W. (Townhill) ..	Water Engineer, Hamilton ..	5	1	0	430	35·6	52·75	232	184
D Hamilton (Cameron Crescent) ..	W. Frame, Esq. ..	5	1	0	225	...	50·16	230	184
D THORNTONHALL ..	(+A) Building Research Lab. ..	5	1	0	453	...	59·80	244	191
W Carmunnock (Waterworks) ..	G. Sime, Esq. ..	5	1	6	540	...	53·93	...	...
D Bothwell (Sewage Purification Works) ..	Sewage Works Manager ..	5	1	0	112	...	45·52	225	182
D Cambuslang (Greenlees Filters) ..	County Water Engineer ..	5	1	0	322	36·3	49·64	225	179
D Glasgow (Rutherglen) ..	F. C. Thomson, Esq. ..	5	1	0	100	...	56·53	249	196
D Glasgow (Queen's Park) ..	G. H. Garside, Esq. ..	5	0	9	147	36·1	51·66	246	200
D Glasgow (Maxwell Park) ..	G. H. Garside, Esq. ..	5	1	0	69	35·7	50·86	245	194
D Glasgow (Bellahouston Park) ..	G. H. Garside, Esq. ..	5	1	0	80	34·6	54·02	224	201
D Glasgow (Elder Park) ..	G. H. Garside, Esq. ..	5	1	0	25	37·0	53·26	239	197
6.—IRVINE. 2 sq. mi.									
7.—AYR. 1 sq. mi.									
8.—NITH. 2 sq. mi.									
9.—ANNAN. 7 sq. mi.									

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1954		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
AYRSHIRE. (Area, 1,135 sq. mi.)									
1.—CLYDE. Left Bank Tributaries. 7 sq. mi.									
2.—FIRTH OF CLYDE. 60 sq. mi.									
D §Ardrossan (Mill Glen Filters) ..	H. R. Seaton, Esq. ..	5	1	0	167	...	53·59	247	199
D Stevenston (Greenhead Filters) ..	W. G. Guild, Esq. ..	5	1	0	186	41·6	55·33	230	206
W Ardrossan (Busbie Reservoir) ..	H. R. Seaton, Esq. ..	5	1	0	370	44·0	61·05	...	...
M West Kilbride (Crosbie Reservoir) ..	T. W. Leslie, Esq. ..	5	1	0	400	...	56·10	...	...
M Fairlie (Waterworks) ..	T. W. Leslie, Esq. ..	5	1	0	270	...	63·83	...	...
D Largs (Stevenston Institute) ..	G. Arkieson, Esq. ..	5	1	0	20	...	65·20	237	208
D LARGS (WOODBANK) ..	A. Simpson, Esq. ..	5	1	0	25	...	62·38	243	205
D Largs (South Routenburn) ..	A. K. Gordon, Esq. ..	5	1	0	150	...	57·10	240	198
D Largs (Middleton Filters) ..	G. Arkieson, Esq. ..	5	1	0	230	52·0	69·04	240	213
M Greenock W.W. (Knockencorsan) ..	Corporation ..	5	1	0	940	...	(88·40)	...	...
3.—IRVINE & C. 296 sq. mi.									
D PRESTWICK ..	Burgh Surveyor ..	5	1	0	17	31·0	41·90	236	185
D PRESTWICK AIRPORT ..	(+A) Meteorological Office ..	5	1	0	30	33·6	44·32	234	187
D Prestwick (Ladykirk Filters) ..	Burgh Surveyor ..	5	1	0	185	...	46·28	237	192
D Symington ..	J. Glass, Esq. ..	5	0	11	300	...	49·70	248	195
d Hurlford (Carnell) ..	Mrs. J. B. Findlay ..	5	1	0	300	...	62·02	232	218
d Troon (Collenan Reservoir) ..	Burgh Surveyor ..	5	1	0	203	...	42·44	214	176
D Irvine (Gailes) ..	A. Forrest, Esq. ..	5	1	0	12	35·9	47·05	226	187
D Newmilns (Lanfine) ..	W. Logan, Esq. ..	5	1	6	500	43·4	68·00	239	222
D Templetonburn ..	F. C. Howie, Esq. ..	5	1	0	140	...	56·34	250	204
D Darvel (Kirkland Park) ..	Burgh Surveyor ..	5	1	0	347	...	60·62	243	211
D KILMARNOCK (Springhill House) ..	W. N. McCall, Esq. ..	5	0	11	115	37·3	51·00	232	203
D Irvine (Cunninghame Home) ..	Governor ..	5	1	0	24	...	52·30	218	195
D Kilmarnock (North Craig Reservoir) ..	W. N. McCall, Esq. ..	5	1	0	319	41·2	62·05	243	210
d Montgreenan Gardens ..	Capt. C. B. G. Coltart ..	5	0	9	180	...	61·68	...	204
M Fenwick (Whiteleehill) ..	W. N. McCall, Esq. ..	5	1	0	915	48·6	69·30	...	...
M Croilburn ..	W. N. McCall, Esq. ..	5	1	0	725	...	(61·79)	...	...
D Fenwick (Amlaird Filters) ..	W. N. McCall, Esq. ..	5	1	0	590	43·3	63·95	258	206
Craigenduntun Reservoir ..	W. N. McCall, Esq. ..	5	1	0	805	48·9	74·25	...	...
Loch Goin Reservoir ..	W. N. McCall, Esq. ..	5	1	0	865	49·4	79·49	...	...
D Blair Gardens ..	W. N. McCall, Esq. ..	5	1	6	155	...	70·22	270	220
M Raithill ..	W. N. McCall, Esq. ..	5	1	0	640	...	63·60	...	...
D Stewarton Filters ..	C. Mc L. Bodie, Esq. ..	5	1	6	515	...	67·65	253	210
D Dalry (Munnock Reservoir) ..	W. G. Guild, Esq. ..	5	1	0	325	47·9	67·27	252	217
D Dalry (Caaf Reservoir) ..	W. G. Guild, Esq. ..	5	1	3	515	53·2	79·17	258	225
D Dalry (Birkheadsteel) ..	W. G. Guild, Esq. ..	5	1	3	520	54·3	78·37	258	226
M §Dalry (Drum Burn) ..	W. G. Guild, Esq. ..	5	0	11	744	...	73·70	...	...
M Dalry (South Knockendon) ..	W. G. Guild, Esq. ..	5	1	1	704	52·1	75·60	...	...
D Dalry (Knockendon) ..	W. G. Guild, Esq. ..	5	1	0	750	53·4	79·55	...	...
M Dalry (South Bradshaw) ..	W. G. Guild, Esq. ..	5	1	1	946	...	76·80	...	...
D Dalry (Bradshaw) ..	W. G. Guild, Esq. ..	5	1	0	1050	...	73·25	...	...
M Dalry (Haining) ..	J. A. McGregor, Esq., C.E. ..	5	1	0	895	59·7	83·45	...	...
D Dalry (Camphill Reservoir) ..	(+A) J. A. McGregor, Esq., C.E. ..	5	1	0	611	61·2	91·04	...	...
M Dalry (Catburn) ..	J. A. McGregor, Esq., C.E. ..	5	1	0	1013	63·9	89·30	...	...
M Dalry (Whitehill) ..	J. A. McGregor, Esq., C.E. ..	5	1	0	628	61·8	88·80	...	...
M Dalry (Blairpark) ..	J. A. McGregor, Esq., C.E. ..	5	1	0	722	61·3	85·90	...	...
M Dalry (Rye Water) ..	J. A. McGregor, Esq., C.E. ..	5	1	0	1032	...	87·40	...	...
D Beith (Filter Station) ..	T. W. Leslie, Esq. ..	5	1	0	412	53·7	74·65	248	217
D Kilbirnie (Holehouse Filters) ..	T. W. Leslie, Esq. ..	5	0	10	377	63·4	89·13	271	227
M Kilburnie (Pundeavon Reservoir 2) ..	T. W. Thomas, Esq. ..	5	1	0	904	...	101·88	...	...

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
AYRSHIRE—(contd.)		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—AYR. 222 sq. mi.									
D Ayr (Cemetery)	.. Thomas O'Beirne, Esq., C.E.	5	1	0	40	34·8	42·83	231	187
D Ayr (Airthrey)	.. National Coal Board	5	1	0	40	...	46·73	232	186
D AUCHINCRAIG	.. W. Scotland Agricultural Coll.	8	1	0	147	39·0	47·34	238	196
d Muirkirk (Kaimhill)	.. National Coal Board	5	1	6	750	47·8	64·61	239	217
D Mauchline (Auchenfail)	.. Miss M. T. Stephen	5	1	0	380	...	53·25	249	200
D Mauchline (Barskimming Gardens)	.. R. D. Allan, Esq.	5	1	0	200	...	59·35	272	214
D Mauchline (Hillhead Tank)	.. T. W. Leslie, Esq.	5	1	0	564	42·8	59·27	236	206
5.—DOON. 119 sq. mi.									
Loch Recawr	.. Thomas O'Beirne, Esq., C.E.	5	1	0	933	...	98·60	...	...
w Loch Finlas	.. Thomas O'Beirne, Esq., C.E.	5	1	0	849	55·1	69·09	...	...
w Loch Doon (Starr)	.. British Electricity Authority	5	1	0	665	...	86·68	...	...
D Dalmellington (Mossdale Filters)	.. T. W. Leslie, Esq.	5	1	0	752	48·6	68·97	260	220
d Dunaskin (Ardoon)	.. National Coal Board	5	1	0	686	47·8	60·22	231	209
D Patna (Kerse Filters)	.. T. W. Leslie, Esq.	5	1	0	741	...	65·90	286	223
D Maybole (Otterden)	.. D. Cross, Esq.	5	1	0	314	43·2	56·27	286	205
D Dalrymple (Knockjarder W.W.)	.. Thomas O'Beirne, Esq., C.E.	5	1	0	287	42·6	52·73	...	...
D Ayr (Doonholm)	.. Col. N. Kennedy, C.B.E., D.S.O., D.L.	5	1	0	90	38·8	53·81	240	196
D Alloway (Doonside)	.. Col. F. C. Dunlop	5	1	2	200	...	56·22	244	199
6.—CULZEAN BAY & C. 32 sq. mi.									
7.—GIRVAN. 105 sq. mi.									
D Girvan (Penwhapple Reservoir)	.. Burgh Surveyor	5	1	0	662	...	67·05	258	212
w Loch Bradan	.. Burgh Surveyor, Troon	5	0	10	990	57·6	81·06	...	...
8.—STINCHAR & C. 155 sq. mi.									
D Ballantrae	.. D. J. W. Gray, Esq., M.B.E.	5	1	0	15	...	58·15	273	198
D COLMONELL (Knockdolian)	.. Maj.-Gen. D. McConnell	5	1	0	170	44·8	55·38	236	195
w Girvan (Glendrisaigh Reservoir)	.. Burgh Surveyor	11	0	9	266	...	60·21	...	...
9.—LOCH RYAN. 12 sq. mi.									
10.—LUCE BAY. 15 sq. mi.									
Ballantrae (Lagafater Lodge)	.. Miss Boulton	5	0	11	792	64·8	77·33	...	...
11.—CREE. 40 sq. mi.									
12.—DEE. 9 sq. mi.									
13.—NITH. 62 sq. mi.									
M Afton Reservoir (Afton Water)	.. T. W. Leslie, Esq.	5	1	0	1525	78·8	112·80	...	...
M Afton Reservoir (Alwhart Burn)	.. T. W. Leslie, Esq.	5	1	0	1435	79·9	104·85	...	...
M Afton Reservoir (Montraw Burn)	.. T. W. Leslie, Esq.	5	1	0	1554	77·6	108·10	...	...
M Afton Reservoir (Montraw)	.. T. W. Leslie, Esq.	5	1	0	1372	75·7	102·40	...	...
M Afton Reservoir (Green Burn)	.. T. W. Leslie, Esq.	5	1	0	1415	84·6	114·70	...	...
D Afton Reservoir (Filters)	.. T. W. Leslie, Esq.	5	1	0	1366	...	111·64	264	234
D Glen Afton (Ayr Sanatorium)	.. Physician-in-Charge	5	1	0	833	53·2	77·48	255	214
D New Cumnock (Bank Colliery)	.. National Coal Board	5	1	0	41	55·8	70·76	242	207
14.—INSULAR. 1 sq. mi.									
Ailsa Craig	.. Com'rs. of N. Lighthouses	5	1	0	35	27·0	42·78	...	...

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954			
				Diam.	Height of		Ground		Rain-fall	Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
				in.	ft.	in.	ft.	in.	in.			
RENFREWSHIRE. (Area, 241 sq. mi.)												
1.—CLYDE. Right Bank Tributaries. 3 sq. mi.												
2.—CLYDE. Left Bank Tributaries. 194 sq. mi.												
M	Eaglesham (Dunwan Reservoir) No. 3	Geo. Sime, Esq.	..	..	5	1	0	822	50·5	71·74	...	...
M	Eaglesham (Dunwan Reservoir) No. 4	Geo. Sime, Esq.	..	..	5	1	0	841	50·6	72·11	...	...
W	Eaglesham (Picketlaw Reservoir) No. 1	Geo. Sime, Esq.	..	..	5	1	0	690	...	72·02	...	...
D	Gorbals Dist. W.W. (Waulk Glen)	S. D. Canvin, Esq., C.E.	..	..	8	1	0	280	47·2	64·51	241	202
	Paisley W.W. (Muirhead)	J. A. McGregor, Esq., C.E.	..	..	5	1	0	482	53·9	70·40	...	...
	Paisley W.W. (Springside)	J. A. McGregor, Esq., C.E.	..	..	5	1	0	532	54·4	73·19	...	...
	Paisley W.W. (Stanely)	J. A. McGregor, Esq., C.E.	..	..	5	1	0	190	47·3	58·30	...	...
D	Barrhead (Sewage Works)	Burgh Surveyor	..	..	5	1	0	100	...	55·84	226	192
D	Howwood (Tor Bracken)	A. D. McNab, Esq.	..	..	5	1	3	360	54·7	68·06	241	209
D	Pollokshaws (Rouken Glen Park)	G. H. Garside, Esq.	..	..	5	1	0	155	43·2	55·08	233	189
D	Glasgow (Linn Park)	G. H. Garside, Esq.	..	..	5	1	0	164	...	54·39	237	201
D	Pollokshaws (Pollok House)	Sir John Stirling-Maxwell, Bt.	..	..	5	1	0	50	36·5	52·48	231	189
D	Lochwinnoch (Sewage Works)	County Engineer	..	..	5	1	0	95	...	79·44	236	207
D	Lochwinnoch (Kaim Dam)	J. H. Murray, Esq., C.E.	..	..	8	1	0	616	72·7	98·08	264	218
D	Calder Water (Muirshiel Mill)	(+A) County Engineer	..	..	5	1	0	782	...	103·73	275	235
	§Calder Water (Queenside Loch)	County Engineer	..	..	5	1	0	1260	...	123·10	...	...
M	Upper Calder	County Engineer	..	..	5	1	0	1337	...	123·19	...	...
D	Calder Water (Barytes Mine)	County Engineer	..	..	5	1	0	1008	...	120·12	283	237
D	Bridge of Weir (Ranfurly)	Rev. E. T. Vernon	..	..	5	1	0	290	...	75·68	247	207
M	Calder Dam	County Engineer	..	..	5	1	0	918	...	118·26	...	...
D	Paisley (Thornly Park School)	W. K. Wallace Lees, Esq., O.B.E.	..	..	5	1	0	195	...	65·38	231	203
D	PAISLEY (Coats Observatory)	Obs. Com. (J. Woodrow)	..	..	8	1	0	106	40·7	57·62	239	191
M	§Greenock W.W. (Duchal Moor)	Corporation	..	..	5	1	0	1150	75·0	(106·70)	...	...
M	Greenock W.W. (Green Water)	Corporation	..	..	5	1	0	788	68·1	94·50	...	...
D	RENFREW (Glasgow Airport)	(+A) Meteorological Office	..	..	8	1	0	30	37·0	51·30	234	186
D	Kilmacolm (Waterworks)	James Grier, Esq.	..	..	5	1	0	600	67·0	89·85	269	229
D	Kilmacolm Village	James Grier, Esq.	..	..	5	1	0	300	51·7	76·16	263	219
D	Greenock W.W. (Gryfe Reservoir)	Corporation	..	..	5	1	0	640	64·0	86·25	255	218
D	Greenock W.W. (Mansfield)	Corporation	..	..	5	1	0	573	...	82·50	255	216
	Greenock W.W. (Darndaff Moor)	Corporation	..	..	5	1	0	850	64·5	94·00	...	...
W	Greenock W.W. (Kelly Dam)	Corporation	..	..	5	1	0	640	63·6	83·40	...	...
3.—FIRTH OF CLYDE. 34 sq. mi.												
	Inverkip (Daff Burn Reservoir)	Burgh Surveyor	..	..	8	1	0	506	58·4	79·83	...	...
D	Dougliehill Filters (Pt. Glas. W.W.)	I. M. MacLean, Esq., C.E.	..	..	8	1	6	550	53·4	63·12	231	198
D	Parkhill Filters (Port Glasgow W.W.)	I. M. MacLean, Esq., C.E.	..	..	8	1	6	275	48·1	61·25	232	196
D	§Greenock W.W. (Compensation Res.)	Corporation	..	..	5	1	0	600	...	82·55	258	225
D	Greenock W.W. (Loch Thom)	Corporation	..	..	5	1	0	643	65·4	85·69	255	223
D	Greenock W.W. (New Yett's Dam)	Corporation	..	..	5	1	0	800	63·2	88·60	258	225
W	Greenock W.W. (Spango Burn)	Corporation	..	..	5	1	0	757	62·6	89·10	...	...
D	Greenock W.W. (Hole Glen)	Corporation	..	..	5	1	0	603	61·6	89·43	261	226
D	GREENOCK W.W. (Prospect Hill) (+A)	Corporation	..	..	5	1	0	199	58·2	74·51	248	214
D	Gourock (Coves Reservoir)	Burgh Surveyor	..	..	5	1	0	350	...	76·25	242	212
4.—IRVINE. 10 sq. mi.												

DIVISION XV—WEST MIDLAND COUNTIES

DUNBARTONSHIRE. (Area, 270 sq. mi.)

1.—FORTH. Right Bank Tributaries. 10 sq. mi.

2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.

D	HELENSBURGH (Valve House)	Burgh Engineer	..	..	8	1	0	293	53·0	71·49	249	212
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§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954			
				Diam.	Height of		in.		in.	Days with .01 in. or more	Days with .04 in. or more	
				in.	ft.	in.		ft.				
DUNBARTONSHIRE—(contd.)												
2.—FIRTH OF CLYDE & COWAL—(contd.)												
	Garelochhead (Whistlefield Filters)	..	Malcolm Ross, Esq.	..	5	1	0	295	...	69·31	...	...
D	Garelochhead (Arddarroch Gardens)	..	Mr. D. Macpherson	..	5	1	0	100	74·8	100·54	258	232
3.—CLYDE. Leven. 149 sq. mi.												
D	Dumbarton (Sewage Works)	..	W. Wilson, Esq., C.E.	..	5	1	0	11	...	61·85	217	206
D	Renton (Carman Filters)	..	Malcolm Ross, Esq.	..	5	1	0	292	46·8	63·29	238	207
D	Loch Lomond Park	..	G. H. Garside, Esq.	..	5	1	0	156	50·2	77·81	266	241
	Helensburgh (Blairnairn No. 1)	..	Burgh Engineer	..	8	1	0	575	...	89·01	...	...
	Helensburgh (Blairnairn No. 2)	..	Burgh Engineer	..	5	1	0	1250	...	91·51	...	...
	Helensburgh (Blairnairn No. 3)	..	Burgh Engineer	..	5	1	0	1580	...	92·73	...	...
	Glen Finlas Reservoir	..	No. 1 Malcolm Ross, Esq.	..	5	1	0	782	69·1	94·18	...	...
	Glen Fruin (Auchingaich Res.) S.	..	Malcolm Ross, Esq.	..	5	1	0	800	...	89·79	...	...
	Glen Fruin (Auchingaich Res.) N.	..	Malcolm Ross, Esq.	..	5	1	0	800	...	91·77	...	...
D	Glen Finlas Reservoir	..	No. 2 Malcolm Ross, Esq.	..	5	1	0	810	81·4	106·65	248	226
	Loch Sloy (Coiregrogain)	..	N. of S. Hydro-Electric Bd.	..	5	1	0	449	...	146·86	...	...
D	Loch Sloy (Sloy Power Station)	(+A)	N. of S. Hydro-Electric Bd.	..	5	1	0	40	...	133·82	256	246
d	Loch Sloy (Sloy Dam)	..	N. of S. Hydro-Electric Bd.	..	5	1	0	966	...	153·10	...	246
M	Ardvorlich	..	N. of S. Hydro-Electric Bd.	..	5	1	0	1123	...	145·21	...	...
	Allt a Chnoic	..	N. of S. Hydro-Electric Bd.	..	5	1	0	1349	...	164·13	...	...
M	Loch Sloy (Cam Allt)	..	N. of S. Hydro-Electric Bd.	..	5	1	0	1450	...	153·84	...	...
4.—CLYDE. Right Bank Tributaries. 59 sq. mi.												
	Bowling Filters	..	Malcolm Ross, Esq.	..	5	1	0	230	...	56·46	...	...
D	Duntocher (Cochno Filters)	..	J. E. McWilliam, Esq.	..	5	1	0	400	44·2	62·27	240	205
w	Kilpatrick Hills (Greenside Res.)	..	J. E. McWilliam, Esq.	..	5	1	0	876	51·8	73·29	...	...
w	Kilpatrick Hills (Loch Cochno)	..	J. E. McWilliam, Esq.	..	5	1	0	909	52·8	76·62	...	...
w	Kilpatrick Hills (Jaw Reservoir)	..	J. E. McWilliam, Esq.	..	5	1	0	912	53·9	78·72	...	...
STIRLINGSHIRE. (Area, 463 sq. mi.)												
1.—FORTH. Right Bank Tributaries. 263 sq. mi.												
d	Shieldhill (Gardrum Moss)	..	Department of Agriculture	..	5	1	0	660	...	56·39	(243)	(200)
d	Falkirk (Inglewood, Laurieston)	..	Miss H. S. D. Ballantine	..	5	1	0	133	34·8	45·64	199	181
D	FALKIRK (Arnotdale)	..	(+A) W. Gibson, Esq.	..	5	1	0	105	33·7	48·03	220	181
	Falkirk (Kerse)	..	Robert Johnston, Esq., C.E.	..	8	1	0	18	31·9	(44·95)	...	...
d	Grangemouth (Burgh Depot)	..	J. C. Wallace, Esq., C.E.	..	5	1	0	15	30·9	43·82	...	...
	Little Denny Reservoir	..	Stirling & Falkirk W. Board	..	8	1	0	325	42·8	61·17	...	...
	Little Denny Filters	..	Stirling & Falkirk W. Board	..	8	1	0	243	42·4	59·32	...	...
	Kilsyth (Faughlin Reservoir)	..	Stirling & Falkirk W. Board	..	8	1	0	707	54·4	74·55	...	...
D	Kilsyth (Craigannet)	..	Stirling & Falkirk W. Board	..	8	0	6	740	53·6	81·27	263	217
	Fintry (Waterhead)	..	Stirling & Falkirk W. Board	..	8	1	0	850	61·3	84·22	...	...
§	Kilsyth (Kirkburn)	..	Stirling & Falkirk W. Board	..	8	1	0	743	50·9	75·87	...	...
	Denny (Buckieburn Reservoir)	..	Stirling & Falkirk W. Board	..	8	1	0	824	54·3	78·90	...	...
	Denny (Buckieburn Filters)	..	Stirling & Falkirk W. Board	..	8	1	0	760	53·8	78·76	...	...
	Earlsburn Reservoir	..	Stirling & Falkirk W. Board	..	8	1	0	1202	56·8	76·57	...	...
D	Stirling (North Third Reservoir) No. 1	..	J. C. Wallace, Esq., C.E.	..	8	0	10	574	49·4	70·86	271	213
M	Stirling (North Third Reservoir) No. 2	..	J. C. Wallace, Esq., C.E.	..	5	1	0	825	...	69·83	...	...
M	Stirling (North Third Reservoir) No. 3	..	J. C. Wallace, Esq., C.E.	..	5	1	0	1014	...	69·65	...	...
D	Stirling (Touch Reservoir)	..	No. 3 J. H. Leishman, Esq.	..	8	1	0	759	49·1	64·75	248	210
D	Stirling (Touch Reservoir)	..	No. 1 J. H. Leishman, Esq.	..	8	1	0	455	47·6	67·49	248	210
D	Kippen (Gribloch Gardens)	..	Head Gardener	..	5	1	0	530	...	67·37	247	223
D	STIRLING (Sauchie House)	..	Town Council	..	5	1	0	151	35·9	51·44	236	175
D	Meiklewood	..	Mr. W. Donaldson	..	5	1	0	39	...	55·35	211	183
M	Duchray Valley (Ben Lomond)	..	S. D. Canvin, Esq., C.E.	..	8	1	3	1500	89·2	114·03	...	...
M	Duchray Valley (Glen Dhu)	..	S. D. Canvin, Esq., C.E.	..	8	1	3	500	81·8	98·50	...	...
M	Duchray Valley (Comer)	..	S. D. Canvin, Esq., C.E.	..	8	1	3	600	86·5	100·50	...	...

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
STIRLINGSHIRE—(contd.)									
1.—FORTH—(contd.)									
M Duchray Valley (Achaidh Burn) ..	S. D. Canvin, Esq., C.E. ..	8	1	3	1200	94.4	112.70	...	...
M Duchray Valley (Hd. of Main Stream)	S. D. Canvin, Esq., C.E. ..	8	1	3	950	88.8	114.77	...	...
2.—Forth. Teith. 5 sq. mi.									
D Stronachlachar (Invergyle) ..	S. D. Canvin, Esq., C.E. ..	8	1	6	376	83.2	101.47	246	219
3.—FORTH. Left Bank Tributaries. 15 sq. mi.									
4.—CLYDE. Leven. 128 sq. mi.									
M Kilpatrick Hills (Burncrooks Res.) ..	J. E. McWilliam, Esq. ..	5	1	0	835	51.9	67.51	...	...
D Strathblane (Blane field) ..	S. D. Canvin, Esq., C.E. ..	5	0	7	250	50.6	74.31	248	212
d Fintry (Police Station) ..	S. Armstrong, Esq. ..	5	1	0	300	...	72.83	230	207
D Balfron (Old Ballikrain) ..	A. R. Cross, Esq. ..	5	1	0	214	...	67.68	260	203
Endrick Weir ..	Stirling & Falkirk W. Board	8	1	0	780	...	76.50	...	...
Loch Arklet (Corriehichon) ..	S. D. Canvin, Esq., C.E. ..	8	1	6	870	82.6	116.70	...	...
Loch Arklet (Corriearklet) ..	S. D. Canvin, Esq., C.E. ..	8	1	0	950	85.2	118.30	...	...
5.—CLYDE. Right Bank Tributaries. 52 sq. mi.									
D Strathblane (Mugdock Reservoir) ..	S. D. Canvin, Esq., C.E. ..	5	0	6	320	47.4	64.83	262	212
d Kilsyth (Sewage Works) ..	J. Milne, Esq. ..	5	1	0	135	44.9	67.81	245	214
D Kilsyth (Innsbridge) ..	J. Milne, Esq. ..	5	4	6	197	49.5	71.37	261	208
D Lennox town ..	J. O. Stewart, Esq. ..	5	0	8	320	...	70.03	231	203
BUTESHIRE. (Area, 218 sq. mi.)									
1.—ISLE OF BUTE. 50 sq. mi.									
D Rothesay (Dhu Loch Waterworks) ..	A. Stephen, Esq. ..	5	1	6	273	...	65.52	253	217
D ROTHESAY (Ardencraig) ..	Mr. J. McDermott ..	5	1	0	200	49.0	67.46	244	219
2.—CUMBRAES. 4 sq. mi.									
D MILLPORT (Marine Biological Station)	Director ..	5	1	0	16	40.1	57.87	245	207
w Millport (Waterworks) ..	J. Russell, Esq. ..	11	3	6	167	...	57.87	...	...
3.—ARRAN. 164 sq. mi.									
D Dougarie Lodge ..	Lady Mary Boscawen ..	5	1	0	50	46.0	62.25	231	205
ARGYLLSHIRE. (Area, 3,181 sq. mi.)									
1.—TAY. Tummel. 36 sq. mi.									
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.									
D Ardnamurchan Lighthouse ..	(+A) Com'rs. of N. Lighthouses	5	1	0	79	...	56.82	245	207
D Morvern (Drimnin) ..	Miss A. Horsman ..	5	1	0	225	62.4	74.06	272	231
3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.									
D Morvern (Kingairloch) ..	Mr. Ewen J. MacDonald ..	5	1	0	40	98.4	126.41	254	236
D Ardgour (Inversanda) ..	Mrs. N. Irvine ..	5	1	0	25	...	127.82	254	226
Corran Lighthouse ..	Com'rs. of N. Lighthouses	5	1	0	13	81.0	98.64	...	216
D Ardgour House ..	Miss Maclean of Ardgour ..	5	0	10	60	97.6	123.40	266	237
d Conaglen ..	M. H. Mason, Esq. ..	5	0	4	50	...	112.79	265	230
4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.									
d Barcaldine ..	Forestry Commission ..	5	1	0	50	65.9	86.77	249	223
D Loch Creran (Rhugarbh) ..	Miss Chisholm of Chisholm	5	1	0	20	...	79.33	264	215
D Duror (Achadh Nan Sgiath) ..	G. H. Malcolm, Esq. ..	5	1	0	40	...	82.39	246	219
Glenduror Forest ..	Forestry Commission ..	5	1	0	950	...	(127.00)	...	...
Glenleven (Blackwater House) ..	British Aluminium Co. Ltd.	8	1	0	1069	80.8	104.79	...	...
D Glenleven (Blackwater Dam, S.) ..	British Aluminium Co. Ltd.	8	1	0	1100	84.0	107.99	284	236
D Glenleven (Kinlochleven) ..	British Aluminium Co. Ltd.	8	1	0	140	86.4	110.78	277	232

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ARGYLLSHIRE—(contd.)									
5.—LOCH ETIVE. 197 sq. mi.									
D Connel (Alltnacree)	Mrs. C. Falwasser	5	1	0	10	...	72.57	259	207
6.—LOCH ETIVE. Loch Awe. 319 sq. mi.									
D Loch Awe (Inverinan)	W. D. Rattray, Esq.	5	1	0	150	...	111.72	241	223
d Dalmally (Craig)	Capt. R. A. Oldham	5	1	0	200	...	97.66	...	224
7.—FIRTH OF LORNE. 112 sq. mi.									
D Kilmelfort (Kilchoan)	Miss D. M. Henderson	5	1	0	30	58.6	72.55	287	224
d Kilmelfort (Tralaig, Blaran)	N. of S. Hydro-Electric Bd.	5	1	0	524	...	104.62	...	...
w Oban (Gleann-a-Bhearraidh Reservoir)	Burgh Surveyor	8	1	6	400	57.2	71.63	...	...
D OBAN	Burgh Surveyor	8	1	1	229	...	74.14	245	210
8.—SOUND OF JURA. 163 sq. mi.									
D Lochgilphead (Poltalloch)	Colonel G. I. Malcolm	5	0	9	120	52.7	79.12	245	220
9.—KINTYRE, WEST. 146 sq. mi.									
|| Mull of Kintyre	Com'rs. of N. Lighthouses	5	1	0	270	40.9	52.33	247	209
D Largie Castle	Mrs. Moreton Macdonald	5	1	1	80	46.3	66.17	231	224
D West Loch Tarbert (Ardpatrick)	W. B. K. Kenneil, Esq.	5	0	10	25	...	51.65	252	203
w West Loch Tarbert (Dunmore)	Capt. J. V. Taylor	5	1	4	100	...	63.81	...	...
10.—KINTYRE, EAST. 177 sq. mi.									
d Campbeltown	D. M. Kellock, Esq., C.E.	5	1	0	20	...	75.02	250	215
w Glen Lussa (Corrylach)	N. of S. Hydro-Electric Bd.	5	1	0	442	...	71.40	...	...
M Glen Lussa (Bordadubh)	N. of S. Hydro-Electric Bd.	5	1	0	570	...	90.14	...	...
D Carradale (Torrisdale Castle)	Mrs. John Campbell	5	1	0	84	65.5	88.86	262	230
D Carradale (Saddell Manse)	Mrs. M. F. Argyll Baker	5	1	6	25	62.6	87.92	296	223
D Monybacach (Skipness)	W. McLaren, Esq.	5	1	1	80	48.8	67.73	240	217
11.—LOCH FYNE. 246 sq. mi.									
D Ardlamont (Camp Cottage)	J. W. Turnbull, Esq.	5	1	0	110	...	47.44	238	195
D Ardrishaig (Stronachullin)	Jas. E. Scott, Esq.	5	1	0	50	...	103.80	246	238
D Ardrishaig (Canal Office)	Engineer & Manager	5	1	0	48	63.5	89.41	266	236
D LOCH FYNE (LEPHINMORE)	(+A) Hill Farming Research Org.	5	1	0	30	...	89.52	244	215
D Loch Fyne (Barnacarry)	Miss M. Manton	5	1	8	44	...	88.17	251	221
D Crarae Lodge	Sir George Campbell, Bart.	5	1	0	20	70.2	96.69	263	227
D Brenchoillie	Chamberlain of Argyll	5	1	0	240	68.9	102.62	255	223
D Inveraray Castle Gardens	J. McRobbie, Esq.	5	1	0	40	77.2	102.84	260	232
d Ardkinglas	J. R. Taylor, Esq.	8	1	0	27	...	95.81	258	226
M Loch Sloy (Beinn Choranach)	N. of S. Hydro-Electric Bd.	5	1	0	1340	...	182.56	...	...
w Loch Sloy (Allt Uaine)	N. of S. Hydro-Electric Bd.	5	1	0	1123	...	173.91	...	...
d Ellerigbeg	N. of S. Hydro-Electric Bd.	5	1	0	29	...	102.53	...	...
d Glen Fyne Lodge	N. of S. Hydro-Electric Bd.	5	1	0	126	...	124.34	...	221
w Allt Na Lairige	N. of S. Hydro-Electric Bd.	5	1	0	1075	...	164.02	...	...
d Shira Main Dam	N. of S. Hydro-Electric Bd.	5	1	0	1123	...	115.68	...	...
M Loch Fyne Head	N. of S. Hydro-Electric Bd.	5	1	0	1151	...	145.38	...	...
12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.									
D Toward (Knockdow Gardens)	Miss Augusta Lamont	5	1	2	101	56.8	73.42	263	222
D Dunoon (Waterworks)	Burgh Surveyor	5	1	0	227	...	103.19	267	239
D Ardnadam (Ashville)	Charles F. Priestley, Esq.	5	1	0	26	...	96.47	254	220
d Glendaruel (Ormidale)	O. M. Chance, Esq.	5	1	0	50	...	97.06	...	...
d Glen Tarsan	N. of S. Hydro-Electric Bd.	5	1	0	400	...	105.77	...	...
D || DUNOON (BENMORE Forest School)	Forestry Commission	5	1	0	46	...	113.10	248	230
D Loch Eck (Benmore Gardens)	R. Botanic Gdn., Edinburgh	5	1	0	40	86.6	121.93	268	237

|| Site unorthodox.

|| Gauge over-sheltered.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ARGYLLSHIRE—(contd.)									
12.—FIRTH OF CLYDE AND COWAL—(contd.)									
d	Garvie Farm	5	0	9	140	...	107·80	...	229
d	Strachur (GLENBRANTER)	5	1	0	120	85·2	111·10	...	223
D	Lochgoilhead (Ardgoil)	5	1	0	20	85·4	99·79	261	233
	Allta Bhalachain (Saur Milk) ..	5	1	0	1150	...	168·06	...	...
13.—CLYDE. Leven. 4 sq. mi.									
M	Loch Sloy (Beinn Ime 'South') ..	5	1	0	1322	...	165·46	...	...
M	Loch Sloy (Beinn Ime 'North') ..	5	1	0	1533	...	161·77	...	...
14.—INSULAR. 854 sq. mi.									
	Sanda Lighthouse	5	2	9	134	36·8	49·87	200	174
D	Gigha	5	1	0	65	...	48·73	229	201
	Islay (Lochindaul)	5	0	7	45	44·0	67·07	257	238
	Islay (McArthur's Head)	5	0	6	173	56·5	(70·05)	265	217
D	Islay (Eallabus)	5	1	0	68	48·9	67·06	251	225
D	Jura (Ardfin)	5	1	0	160	...	74·50	251	232
D	Jura (Tarbert)	5	1	0	30	50·3	72·90	242	229
D	Jura (Ardlussa)	5	0	9	100	50·1	61·10	244	208
D	COLONSAY	5	1	0	87	47·4	67·04	274	247
	Lismore (Mousedale)	7	3	10	38	43·7	75·81	236	208
D	Iona (Maol)	5	1	0	60	...	62·59	256	216
d	Mull (Auchnacraig)	8	1	0	50	...	103·27	...	...
	Mull (Ulva)	5	1	0	30	64·8	75·52	...	...
D	Mull (Gruline)	8	1	0	100	79·0	100·49	271	241
D	Mull (Tobermory Schoolhouse) ..	5	1	0	150	...	81·26	263	224
	Mull, Sound of	...	...	...	...	61·5	85·19	273	245
D	TREE Airport (+A) Meteorological Office ..	8	1	0	29	44·7	58·25	259	214

DIVISION XVI—EAST MIDLAND COUNTIES

CLACKMANNANSHIRE. (Area, 55 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.									
D	Alloa House Gardens	5	3	0	50	33·2	47·78	225	178
W	Alloa W.W. (Gartmorn Reservoir) ..	5	1	0	172	32·1	47·14	...	...
D	Tillicoultry (The Cemetery)	5	1	0	80	34·5	47·37	214	170
W	Menstrie (Lipney Filters)	5	1	0	328	...	49·33	...	...
M	Glendevon (Broich Burn) No. 2 ..	8	1	0	1333	71·7	85·63	...	...
M	Glendevon (Backhill) No. 9	8	1	0	1067	58·3	75·74	...	...
d	Glendevon (Backhill)	8	1	0	1067	59·9	79·16	...	...

KINROSS-SHIRE. (Area, 87 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.

2.—LEVEN & C. 67 sq. mi.

D	Loch Leven Sluice	5	1	0	360	35·8	48·56	252	174
D	Milnathort (Greenburn)	5	1	0	476	36·3	48·64	207	173
d	Milnathort (Ledlanet)	5	1	4	650	47·1	58·25	228	184
D	Milnathort (Ochil Hills Hospital) ..	5	1	0	800	43·9	54·62	217	187

3.—EDEN. 2 sq. mi.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
KINROSS-SHIRE—(contd.)									
4.—TAY. Earn. 3 sq. mi.									
FIFESHIRE. (Area, 505 sq. mi.)									
1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.									
D DUNFERMLINE	(+A) Carnegie Dunfermline Trust	5	1	0	237	...	37·93	214	166
D Kincardine (Tulliallan)	Head Gardener	5	1	0	90	33·8	42·87	215	159
M Carnock (Craigluscar Reservoir) ..	A. Sinclair, Esq., C.E.	12	0	4	480	36·1	52·00	...	...
2.—LEVEN & C. 208 sq. mi.									
d Burntisland (Cullaloe Reservoir) ..	Burgh Surveyor	5	1	0	294	...	40·96	186	169
D KIRKCALDY (Beveridge Park)	Town Clerk	5	1	0	106	30·0	39·84	193	160
D Cowdenbeath (Sewage Works)	H. Gardiner, Esq.	5	1	0	390	...	45·77	226	170
Cleish Hills (Craigaveral)	H. Gardiner, Esq.	5	1	0	760	41·0	53·64	...	...
Cleish Hills (Roscobie Reservoir) ..	H. Gardiner, Esq.	5	1	0	660	39·6	50·88	...	...
D Kirkcaldy (Carberry)	R. Ritchie, Esq.	5	1	0	326	...	41·72	216	161
Cleish Hills (Blairadam)	H. Gardiner, Esq.	5	1	0	670	35·8	47·20	...	...
M Cleish Hills (Lochglow Reservoir) ..	H. Gardiner, Esq.	5	1	0	909	39·3	45·80	...	...
D Glenrothes (Woodside)	(+A) Glenrothes Developmt. Corp.	5	1	0	273	...	43·61	217	163
D Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	5	1	0	700	36·7	49·47	222	164
D Leven (Silverburn)	Sir David Russell	5	1	0	70	...	34·62	199	145
D LUNDIN LINKS	Largs Improvements Assn.	5	1	0	80	...	35·55	190	149
D Markinch (Rothies)	Sir David Russell	5	1	0	198	...	43·76	217	158
D Markinch (Carriston Reservoir) ..	County Engineer	5	0	9	293	32·9	50·54	221	174
D Markinch (Coul Reservoir)	County Engineer	5	0	9	438	35·2	50·68	248	185
D Carnbee (Ovenstone Waterworks) ..	Mr. John R. Stewart ..	5	1	0	168	25·8	31·50	180	143
D Arncroach (Belliston)	Mr. J. M. Roger	5	1	1	270	...	35·49	209	146
3.—EDEN & C. 205 sq. mi.									
D Cupar (Clatto Reservoir)	R. W. Morrison, Esq. ..	5	1	0	505	30·1	42·58	217	155
D Cameron (Waterworks)	Burgh Engr., St. Andrews ..	5	1	0	478	29·9	37·76	216	146
D Cupar (Pitlair)	Miss Walker	5	1	0	126	29·5	39·81	210	152
d Cupar (Rankeillour)	Mr. R. Meldrum	5	1	0	240	28·7	39·42	...	...
D Kingsbarns (Croft Butts)	Gp. Capt. H. M. K. Brown	5	1	0	75	...	29·25	182	130
D Cupar (Beet Sugar Factory)	British Sugar Corpn. Ltd. ..	5	1	0	82	...	36·93	186	136
D St. Andrews (Waterworks)	Burgh Engineer	5	1	0	217	27·3	34·54	209	151
D ST. ANDREWS	Burgh Engineer	5	1	0	13	27·1	33·56	204	142
D LEUCHARS Airfield	(+A) Meteorological Office ..	8	1	0	36	25·7	31·22	195	132
4.—FIRTH OF TAY. 25 sq. mi.									
D Balmerino House	Mr. R. L. Constable ..	5	1	0	200	...	34·31	207	143
d Newport (Tayfield)	Dr. J. Berry	5	1	0	100	28·3	35·54	...	...
D Tayport Lighthouse	Dundee Harbour Trust ..	5	1	0	27	26·3	33·17	203	138
5.—TAY. Earn. 1 sq. mi.									
6.—INSULAR.									
Inchkeith Lighthouse	Com'rs. of N. Lighthouses	5	1	0	190	...	29·96	163	118
Isle of May	Com'rs. of N. Lighthouses	5	4	0	180	...	28·59	158	126
PERTHSHIRE. (Area, 2,535 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 17 sq. mi.									
D Loch Dhu	S. D. Canvin, Esq., C.E. ..	5	1	0	325	79·8	101·64	231	209
2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.									
D Loch Ard (Couligarton)	Major R. S. Cuninghame ..	5	0	10	200	...	95·34	247	209

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
PERTHSHIRE—(contd.)									
3.—FORTH. Teith. 221 sq. mi.									
M Ochtertyre (Stirling)	.. Lt.-Col. J. C. Dundas, D.S.O.	5	1	0	14	39.4	51.61	...	...
Loch Drunkie	.. S. D. Canvin, Esq., C.E.	8	1	10	420	62.4	84.75	...	...
Ben Venue (Glasahoile)	.. S. D. Canvin, Esq., C.E.	8	1	6	1150	79.4	97.66	...	...
D Loch Vennachar	.. S. D. Canvin, Esq., C.E.	5	1	0	275	55.3	74.76	233	205
D Brig o' Turk	.. S. D. Canvin, Esq., C.E.	5	1	0	275	63.7	87.05	241	217
Loch Katrine (Tunnel Hill Top)	.. S. D. Canvin, Esq., C.E.	8	1	6	830	79.0	109.00	...	...
D Callander (McLaren High School)	.. Town Council ..	5	1	0	250	...	76.25	237	200
Ben Ledi	.. S. D. Canvin, Esq., C.E.	8	1	8	1400	67.0	87.40	...	...
Achnahard	.. S. D. Canvin, Esq., C.E.	8	1	0	474	65.5	83.55	...	...
Callander (Leny House)	.. Capt. M. Murray Buchanan	5	1	0	340	56.9	74.60	...	...
W Strone Bridge	.. S. D. Canvin, Esq., C.E.	8	1	6	380	71.7	92.30	...	...
Glen Meann	.. S. D. Canvin, Esq., C.E.	8	1	3	800	76.5	95.60	...	...
Glen Finlas	.. S. D. Canvin, Esq., C.E.	8	1	3	1200	78.3	101.60	...	...
D Glengyle	.. S. D. Canvin, Esq., C.E.	8	1	0	380	89.9	111.09	238	217
Upper Glengyle	.. S. D. Canvin, Esq., C.E.	8	1	6	750	94.7	117.60	...	...
Allt a' Choin	.. S. D. Canvin, Esq., C.E.	8	1	0	1250	88.2	111.00	...	...
d Strathyre	.. Forestry Commission	5	1	0	425	...	99.88	...	...
W Balquhidder (Blaircreach) ..	.. Miss E. Fergusson ..	5	1	0	460	92.7	105.37	...	...
4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.									
d Dunblane	.. J. W. Kirkland, Esq.	5	0	11	320	...	(53.67)	...	...
d Dunblane (Elmswood)	.. A. E. Martin, Esq. ..	5	1	0	300	...	56.20	...	195
D Glendevon (Glenquey Reservoir)	.. County Engineer, Fifeshire	8	1	0	942	58.0	70.93	272	212
D Glendevon (Frandy)	.. County Engineer, Fifeshire	8	1	0	911	61.6	77.84	238	210
Glendevon (Glensherup)	.. A. Sinclair, Esq., C.E.	12	0	4	945	59.0	66.31	...	...
M Glendevon (Bald Hill)	.. County Engineer, Fifeshire	8	1	0	1202	58.0	75.71	...	...
M Glendevon (Wether Hill)	.. County Engineer, Fifeshire	8	1	0	1408	...	76.02	...	...
5.—LEVEN. 1 sq. mi.									
6.—EDEN. 4 sq. mi.									
7.—TAY. Earn. 376 sq. mi.									
M Blackford	.. Water Engineer, Perthshire	5	1	7	500	...	61.75	...	...
D § Upper Farg (Main Bank)	.. County Engineer, Fifeshire	8	1	0	632	37.6	48.00	240	167
Glenfarg (Waterworks)	.. Water Engineer, Perthshire	5	1	0	675	...	53.95	...	...
Bridge of Earn (Ramsheugh) ..	.. Water Engineer, Perthshire	5	1	0	310	...	51.61	...	...
D Bridge of Earn (Ballendrick) ..	.. G. M. Taylor, Esq. ..	5	1	0	50	31.5	43.56	198	159
Lochearnhead (Ardloch)	.. S. Moir, Esq. ..	5	1	0	370	62.1	77.01	...	...
d Lochearnhead (Edinchip)	.. Sir Malcolm MacGregor, Bt.	5	1	0	513	69.0	81.96	226	...
D Comrie (Dunira Gardens)	.. W. P. Robertson, Esq. ..	10	1	8	200	...	69.42	200	179
M Meall nam Fiadh	.. N. of S. Hydro-Electric Bd.	5	1	0	1850	...	76.24	...	...
d Comrie (Invergeldie Lodge) ..	.. N. of S. Hydro-Electric Bd.	5	1	0	795	...	66.80	...	187
Allt am Driuchd	.. N. of S. Hydro-Electric Bd.	5	1	0	1750	...	75.31	...	...
D Crieff (Strathearn Hydro)	.. Manager	5	1	0	400	40.9	52.18	217	179
Loch Turret (Lower Glenturret)	.. Water Engineer, Perthshire	5	1	0	1100	54.6	65.79	...	...
Loch Turret (Glenturret Lodge)	.. Water Engineer, Perthshire	5	1	0	1250	...	80.16	...	...
Loch Turret (Upper Glenturret)	.. Water Engineer, Perthshire	5	1	0	1400	...	80.57	...	...
Loch Turret (Lochaine Uaine)	.. Water Engineer, Perthshire	5	1	0	1550	...	(78.66)	...	...
8.—TAY. Almond & c. 149 sq. mi.									
D Perth (Craigie Haugh)	.. (+A) J. Penman, Esq., C.E.	5	4	2	14	...	39.05	196	150
D PERTH (Wellshill Cemetery) ..	.. Town Council ..	5	1	0	77	30.8	42.20	229	167
Methven (Waterworks)	.. Water Engineer, Perthshire	5	1	0	450	...	51.78	...	...

§ Turf wall round gauge.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
PERTHSHIRE—(contd.)									
9.—TAY. Strathtay below Dunkeld. 33 sq. mi.									
Dunkeld	Water Engineer, Perthshire	5	1	0	480	...	53.18	...	...
10.—TAY. 81 sq. mi.									
D Strath Bran (Glenquaich Lodge)	W. A. Cox, Esq.	5	1	0	900	54.1	66.53	247	182
D Strath Bran (Garrows)	K. O. Hunter, Esq.	5	0	9	980	...	61.98	259	186
11.—TAY. Strathtay above Dunkeld. 95 sq. mi.									
D Aberfeldy (Tigh'n Eilean)	Dr. N. D. Mackay	5	1	0	320	37.4	47.91	236	170
12.—TAY. Loch Tay. 241 sq. mi.									
D Glenoglehead	N. of S. Hydro-Electric Bd.	5	1	0	942	...	81.90	227	210
Beinn Leabhain	N. of S. Hydro-Electric Bd.	5	1	0	1850	...	81.00	...	...
D Tyndrum Manse	Mrs. B. M. Lambie	5	1	0	750	92.5	114.51	269	243
M Allt-Meal-Nan-Danin	N. of S. Hydro-Electric Bd.	5	1	0	1500	...	84.01	...	...
D Killin (Kinnell Gardens)	Head Gardener	5	1	0	380	58.2	74.32	220	208
D Braentrain	N. of S. Hydro-Electric Bd.	5	1	6	850	...	67.76	219	203
D Loch Tay (Finlanrig Power Station)	N. of S. Hydro-Electric Bd.	5	1	0	402	...	68.06	229	210
M Glen Lochay (Murlaganmore)	N. of S. Hydro-Electric Bd.	5	1	0	750	...	90.66	...	...
M Loch Tay (Meall Liath)	N. of S. Hydro-Electric Bd.	5	1	0	1250	...	71.06	...	...
D Lawers Dam	N. of S. Hydro-Electric Bd.	5	1	0	1825	...	90.70	241	228
M Ben Lawers (Lochan Nan Cat)	N. of S. Hydro-Electric Bd.	5	1	0	2500	...	94.58	...	...
D Kenmore (Dalerb)	W. L. Ross, Esq.	5	1	1	390	...	54.75	208	175
13.—TAY. Lyon. 142 sq. mi.									
D Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bart.	5	1	0	700	61.5	80.17	261	223
M Ben Lawers (Ciore Raidhailt)	N. of S. Hydro-Electric Bd.	5	1	0	2000	...	102.40	...	...
W Fortingall (Glenlyon House)	Mr. David R. Dow	5	1	0	425	44.7	60.03	...	...
14.—TAY. Tummel. 587 sq. mi.									
D Gaunt (Power Station)	N. of S. Hydro-Electric Bd.	5	1	0	794	...	65.41	235	196
d Loch Rannoch (Railway Station)	N. of S. Hydro-Electric Bd.	5	1	0	1007	60.4	76.82	...	...
D Loch Rannoch (Power House)	N. of S. Hydro-Electric Bd.	5	1	1	675	43.4	51.65	227	185
D Foss (Domnaheich)	N. of S. Hydro-Electric Bd.	5	1	0	640	...	53.12	186	158
D Loch Tummel (Power House)	N. of S. Hydro-Electric Bd.	5	1	0	500	...	50.40	222	175
D Pitlochry (Faskally)	Brown Trout Research Lab.	5	1	0	400	...	43.52	233	165
Loch Tummel (Over Bohespic)	N. of S. Hydro-Electric Bd.	5	1	0	1000	...	47.39	...	...
M Pitlochry (Allt Girnaig)	Burgh Surveyor	5	1	0	850	...	44.20	...	...
D Fincastle House	R. S. Barbour, Esq.	5	1	0	980	35.4	46.49	209	175
D Ericht Dam	N. of S. Hydro-Electric Bd.	5	1	0	1196	54.1	69.37	262	206
D Struan (Auchleeks)	Miss Robertson	5	1	0	710	45.5	55.97	227	194
d Struan (Tomnacraeg)	N. of S. Hydro-Electric Bd.	5	0	8	500	...	53.38	...	161
W Auchleeks	N. of S. Hydro-Electric Bd.	5	1	0	1500	...	56.12	...	...
D Blair Atholl (Blair Castle Gardens)	Mr. A. B. Duguid	5	1	0	500	33.6	43.25	223	176
d Edendon Bridge	N. of S. Hydro-Electric Bd.	5	1	0	1029	...	54.96	206	174
W Dalnaspidal (Luidhearnaidh)	N. of S. Hydro-Electric Bd.	5	1	4	1710	63.4	79.55	...	...
Glen Tilt (Clachglas)	N. of S. Hydro-Electric Bd.	5	1	0	1000	...	(55.55)	...	...
D Glen Bruar (Bruar Lodge)	N. of S. Hydro-Electric Bd.	5	1	0	1500	44.9	52.47	272	208
M Edendon (Stronphadruig Lodge)	N. of S. Hydro-Electric Bd.	5	1	0	1630	...	86.19	...	...
15.—TAY. Isla. 282 sq. mi.									
D Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1	0	350	37.4	48.45	217	165
d Dunkeld (Riechip Lodge)	Mrs. E. Crammond	5	1	0	1000	...	45.41	...	...
Loch Benachally	Blairgowrie Dist. Water Bd.	8	1	0	1007	40.4	49.28	...	...
d Kirkmichael (Ballintuim House)	W. H. Bell, Esq.	5	1	4	700	40.3	52.99	200	174
D Glenshee Lodge	Lt.-Col. C. A. Peel	5	1	0	1000	...	56.21	246	184
16.—TAY. Left Bank Tributaries. 51 sq. mi.									
Balbeggie (Montague Reservoir)	Water Engineer, Perthshire	5	1	0	530	...	42.00	...	...

§ Turf wall round gauge.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
PERTHSHIRE—(contd.)									
17.—FIRTH OF TAY. 45 sq. mi.									
Errol (Fingask)	Water Engineer, Perthshire	5	1	0	550	...	42.80	...	...
18.—SPEY. Right Bank Tributaries. 1 sq. mi.									
19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.									
20.—CLYDE. Leven. 36 sq. mi.									
Lairig (Arnan)	N. of S. Hydro-Electric Bd.	5	1	0	1115	...	149.97	...	...
Dubh Eas	N. of S. Hydro-Electric Bd.	5	1	0	1210	...	145.26	...	...
M Loch Sloy (Allt Nan Caorunn) ..	N. of S. Hydro-Electric Bd.	5	1	0	1200	...	142.76	...	...
ANGUS. (Area, 875 sq. mi.)									
1.—TAY. Isla. 211 sq. mi.									
D Glamis Castle	Mr. D. McInnes	5	0	7	250	30.9	43.16	205	150
D Forfar (Lilybank Crescent) ..	Mr. D. Duncan	5	1	6	226	...	39.59	208	158
D Kirriemuir (Lintrathen) ..	(+A) R. Little, Esq., C.E. ..	8	1	0	700	34.7	42.27	215	156
Kirriemuir (Balnakeilly) ..	R. Little, Esq., C.E. ..	5	1	0	700	34.1	45.00	...	...
Kirriemuir (Dykends) ..	R. Little, Esq., C.E. ..	5	1	0	750	36.4	48.10	...	...
Kirriemuir (Creich Hill N.) ..	R. Little, Esq., C.E. ..	5	1	0	1491	40.5	48.40	...	...
Kirriemuir (Backwater) ..	R. Little, Esq., C.E. ..	5	1	0	850	39.7	51.30	...	...
Kirriemuir (Westerton) ..	R. Little, Esq., C.E. ..	5	1	0	900	40.5	50.90	...	...
Kirriemuir (Macritch) ..	R. Little, Esq., C.E. ..	5	1	0	1300	38.7	55.00	...	...
Kirriemuir (Newton) ..	R. Little, Esq., C.E. ..	5	1	0	735	37.4	49.50	...	...
Kirriemuir (Longdrum) ..	R. Little, Esq., C.E. ..	5	1	0	1045	39.3	51.60	...	...
Kirriemuir (Glendye) ..	R. Little, Esq., C.E. ..	6	1	0	1050	44.9	56.00	...	...
Kirriemuir (Barney) ..	R. Little, Esq., C.E. ..	5	1	0	1170	40.2	53.60	...	...
Kirriemuir (Glenhead) ..	R. Little, Esq., C.E. ..	5	1	0	1260	43.1	(55.10)	...	...
Kirriemuir (Dalvanie) ..	R. Little, Esq., C.E. ..	5	1	0	1020	42.7	55.20	...	...
Kirriemuir (Glen Damff) ..	R. Little, Esq., C.E. ..	5	1	0	1360	43.7	(55.30)	...	...
2.—FIRTH OF TAY. 80 sq. mi.									
D Carnoustie (BUDDON NESS Light) ..	Dundee Harbour Trust ..	5	1	0	15	26.4	30.78	203	137
D Dundee (Stobsmuir Reservoir) ..	R. Little, Esq., C.E. ..	5	1	0	278	...	36.72	209	143
d Dundee (Camperdown Works) ..	Cox Bros. Ltd.	5	1	0	300	26.8	37.38	...	...
D DUNDEE (MYLNEFIELD) ..	Horticultural Res. Institute ..	5	1	0	100	...	34.92	199	140
w Balruddery	D. H. Sharp, Esq.	5	1	0	260	29.8	38.93	...	...
D DUNDEE (Mayfield)	Director of Studies	5	1	0	147	26.2	35.96	203	148
D Dundee (Clatto Reservoir) ..	R. Little, Esq., C.E. ..	8	1	2	498	...	39.51	224	158
3.—SOUTH ESK & C. 371 sq. mi.									
D CARNOUSTIE	Burgh Surveyor	8	1	0	17	27.2	30.20	215	139
D Monikie Reservoir	R. Little, Esq., C.E. ..	5	1	0	494	34.7	38.57	218	162
D Monikie (Crombie Reservoir) ..	R. Little, Esq., C.E. ..	5	1	0	528	35.2	38.87	193	143
Monikie (Fallaws)	R. Little, Esq., C.E. ..	8	3	0	585	33.2	39.89	...	...
D ARBROATH (Springfield Park) ..	Town Council	5	1	0	95	25.6	26.02	192	130
w Arbroath (Muirheads Reservoir) ..	Burgh Engineer	5	1	0	251	28.1	30.18	...	...
D Forfar (Pitscandly House) ..	P. G. Anderson, Esq. ..	5	1	8	300	...	37.68	172	140
D Montrose (West End Park) ..	Burgh Surveyor	5	1	0	19	26.0	30.30	194	133
D ||Forfar Waterworks (Den of Ogil) ..	Alex. C. Millar, Esq. ..	5	0	5	633	39.4	47.03	234	180
D Glenogil (Waterworks) ..	Burgh Engineer, Arbroath ..	5	1	0	690	40.9	45.97	219	168
4.—NORTH ESK & C. 213 sq. mi.									
D MONTROSE (ROYAL MENTAL HOSPITAL) ..	Medical Superintendent ..	5	0	10	200	27.0	31.55	214	133
D Montrose (Kinnaber Waterworks) ..	Burgh Surveyor	5	1	0	30	...	30.11	200	130
D Brechin (Stracathro Hospital) ..	Medical Superintendent ..	5	1	0	120	...	35.85	206	142
D Loch Lee (Invermark)	County Engineer	5	1	0	895	...	57.60	230	174
Glen Lee (Stables)	County Engineer	5	1	0	1545	...	59.67	...	...

|| Site unorthodox.

DIVISION XVII—NORTH-EASTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KINCARDINESHIRE. (Area, 382 sq. mi.)									
1.—NORTH ESK & C. 99 sq. mi.									
D §FETTERCAIRN (GLENSAUGH) ..	(+A) Hill Farming Research Org.	5	1	0	560	...	46·87	236	169
2.—BERVIE, COWIE & C. 139 sq. mi.									
D STONEHAVEN	Town Council	5	1	0	125	27·4	33·82	210	144
D MUCHALLS	N. of S. College of Agric. ..	5	1	0	210	...	33·30	197	140
Girdleness Lighthouse ..	Com'rs. of N. Lighthouses	7	4	0	89	...	28·70	...	...
3.—DEE. 144 sq. mi.									
D Strachan (Bridge of Dye) ..	Sir Albert Gladstone ..	5	1	0	513	43·9	46·50	202	153
D Banchory (Invery)	Major Jas. Kerr	5	1	0	225	34·8	48·25	225	168
D Banchory (Invercannie) ..	A. G. Booth, Esq., C.E. ..	5	0	9	208	31·9	39·15	215	149
ABERDEENSHIRE. (Area, 1,974 sq. mi.)									
1.—DEE. 672 sq. mi.									
M Glen Muick (Allt na Guibhsaich) ..	A. G. Booth, Esq., C.E. ..	5	1	0	1370	45·1	55·83	...	...
D Glen Muick (Inchnabobart) ..	A. G. Booth, Esq., C.E. ..	5	1	0	1270	41·9	52·92	210	187
D §Aitnach	A. G. Booth, Esq., C.E. ..	5	1	0	1260	41·9	55·14	222	176
D BRAEMAR (Bank)	R. A. Lees, Esq.	5	1	0	1111	35·4	42·93	243	173
D Braemar (Derry Lodge) ..	A. G. Booth, Esq., C.E. ..	5	1	0	1400	38·1	43·65	239	196
D Ballater (Birkhall Sawmill) ..	Forestry Commission ..	5	1	1	650	...	40·64	207	156
D Glen Tanar (Mansion House) ..	Lord Glentanar	5	1	0	553	...	45·91	214	155
D BALMORAL Castle Gardens ..	(+A) Mr. E. Stuart	5	1	0	927	33·0	38·31	240	156
d §Ballater (Irrigation Farm) ..	A. G. Booth, Esq., C.E. ..	5	1	0	633	33·2	41·16	215	162
Beinn Bhreac	A. G. Booth, Esq., C.E. ..	5	1	0	2700	47·1	51·47	...	...
d Aboyne (Irrigation Farm) ..	A. G. Booth, Esq., C.E. ..	5	1	0	380	31·9	34·39	214	144
D Glen Gairn (Gairn Shiel Lodge) ..	A. G. Booth, Esq., C.E. ..	5	1	0	1100	34·4	42·24	238	173
Glen Gairn (Corndavon) ..	A. G. Booth, Esq., C.E. ..	5	1	0	1500	...	43·94	...	...
Lumphanan	A. G. Booth, Esq., C.E. ..	5	1	0	476	31·6	38·14	...	...
D Drumoak (Drum Castle) ..	H. Q. Forbes Irvine, Esq. ..	5	1	0	320	30·9	38·58	240	153
D Tarland (Irrigation Farm) ..	A. G. Booth, Esq., C.E. ..	5	1	0	467	...	33·39	222	148
D LOGIE COLDSTONE School ..	Jas. R. Ferguson, Esq., M.A.	5	1	0	608	30·9	34·84	221	149
w Bielside (Netherton Lodge) ..	J. A. Ross, Esq.	5	1	0	375	...	39·20	...	...
D ABERDEEN (MANNOFIELD RES.) ..	(+A) City Engineer, Aberdeen ..	5	1	0	171	30·5	34·63	199	155
D Craigiebuckler	Macaulay Inst. Soil Research	5	1	0	220	...	39·61	236	167
2.—DON. 512 sq. mi.									
D Strathdon (Tornashean) ..	Mr. G. A. Crawford ..	5	1	0	1000	...	39·75	229	181
D Bridge of Don (Braehead) ..	The Marquis of Aberdeen ..	5	1	0	114	...	30·16	192	139
D Dyce (CRAIBSTONE)	N. of S. College of Agric. ..	8	1	0	300	32·3	35·12	215	141
D DYCE (Aberdeen Airport) ..	(+A) Meteorological Office ..	5	1	0	241	32·0	36·24	214	146
D Alford (Littlewood Park) ..	Sir Alan McLean	5	1	0	750	...	42·30	237	171
3.—YTHAN & C. 285 sq. mi.									
D Ellon (Esslemont House) ..	Mrs. Wolrige Gordon ..	5	0	9	100	...	34·24	242	153
D Haddo House	Major D. Gordon	5	1	0	186	31·5	36·78	226	169
d Fyvie Castle	Sir Ian Forbes-Leith, Bart.	5	1	0	200	33·9	40·62	...	169
4.—UGIE & C. 257 sq. mi.									
D New Deer (School House) ..	C. S. Henderson, Esq. ..	5	1	0	397	32·3	38·66	250	175
D Peterhead (Forehill Works) ..	J. Coull, Esq., C.E. ...	5	0	8	133	30·3	31·01	223	145
D Peterhead (Mains of Buthlaw) ..	W. Johnston, Esq. ..	5	1	6	120	30·3	36·13	232	169
D Fedderate Reservoir	G. S. Stewart, Esq. ..	5	0	9	410	...	43·91	241	183
D RATRAY HEAD (Coastguard Stn.)(+A)	Station Officer, for M.O. ..	5	1	0	85	...	33·32	231	160
Kinnaird Head	Com'rs. of N. Lighthouses	5	1	0	62	26·2	32·09	231	148
5.—DEVERON & C. 248 sq. mi.									
D HUNTLY	Wm. Eddie, Esq., for M.O.	5	1	0	405	...	42·28	271	188
Turriff (Muireisk House) ..	AirCom.G.E.Wilson,O.B.E.	5	1	0	130	...	36·21	...	...

§ Turf wall round gauge.

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
BANFFSHIRE. (Area, 630 sq. mi.)									
1.—YTHAN. 1 sq. mi.		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—DEVERON & C. 344 sq. mi.									
D Cabrach Manse	Aberdeen County Council ..	5	1	0	1025	...	46·20	245	188
D Drummuir Castle	H. G. Brown, Esq.	5	1	10	620	36·4	41·14	213	183
d Keith (Isla Bank Mills) ..	G. & G. Kynoch, Ltd. ..	5	1	0	360	33·8	40·41	242	177
D Turriff (Forglen Gardens) ..	Mr. S. Barclay	5	1	0	220	31·9	37·55	216	165
D BANFF	Town Council (I. H. Gordon)	5	0	9	130	26·8	35·91	231	174
d Buckie (Rochomie)	Burgh Surveyor	5	1	0	287	27·0	29·41	...	...
D Cullen House Gardens	C. A. Ritchie, Esq.	5	1	2	150	30·6	33·95	236	172
3.—SPEY. Right Bank Tributaries. 285 sq. mi.									
D GLENLIVET (Clashnoir)	Walter Duncan, Esq., for M.O.	5	1	0	1085	...	43·35	233	178
D Duftown (Glenrinnes Manse) ..	Rev. W. Gardiner	5	1	0	995	...	52·41	250	189
D Ballindalloch	R. McIntosh, Esq.	8	1	0	630	33·7	41·69	209	175
MORAYSHIRE. (Area, 477 sq. mi.)									
1.—DEVERON & C. 7 sq. mi.									
2.—SPEY. Right Bank Tributaries. 35 sq. mi.									
D FOCHABERS (Gordon Castle) ..	Col. G. C. Gordon Lennox, C.V.O., D.S.O.	5	0	8	104	29·8	33·57	220	161
3.—SPEY. Left Bank Tributaries. 133 sq. mi.									
D Grantown-on-Spey (Moniack) ..	H. Grant Cumming, Esq. ..	5	1	0	700	...	35·99	234	161
4.—LOSSIE & C. 154 sq. mi.									
D Forres (Dallas Lodge)	Brig. H. W. Houldsworth ..	5	1	0	600	...	40·77	207	161
D Kellas (Kellas House)	Mrs. Christie	5	2	0	446	31·4	43·14	230	179
d Lhanbryde (Blackhills House) ..	Mr. W. Dunbar	5	1	0	310	32·0	36·05	218	177
D Elgin (Kirkhill)	Mrs. M. D. MacDonald ..	5	1	7	35	...	31·51	224	162
D Elgin (The Bield)	Mrs. Harrison	5	1	4	120	...	29·38	206	154
D §ELGIN (Cemetery)	(+A) Town Council	5	1	1	92	...	28·58	193	143
d Elgin (Lesmurdie)	Mrs. J. G. Norman	5	1	0	114	26·9	31·69	...	...
D Elgin (Newton Nursery)	Forestry Commission ..	5	1	0	75	...	27·50	200	148
5.—FINDHORN & C. 148 sq. mi.									
D FORRES (Hydro)	Town Clerk	5	1	0	155	...	28·79	182	139
D Kintessack (Culbin)	Mr. W. G. Milne	5	1	0	28	...	29·14	229	144
D KINLOSS Airfield	(+A) Meteorological Office ..	5	1	0	16	...	27·55	193	141
D FINDHORN	D. Cameron, Esq.	5	1	0	20	...	27·81	201	141
NAIRNSHIRE. (Area, 163 sq. mi.)									
1.—FINDHORN & C. 102 sq. mi.									
D Ardclach (Glenferness)	Mr. J. May	8	1	0	700	34·8	44·56	248	173
D Lethen	Major D. J. Brodie	5	1	6	300	...	32·92	196	148
2.—NAIRN & C. 61 sq. mi.									
D Cawdor (Auchindoune)	Col. the Hon. I. M. Campbell	5	1	0	425	...	35·28	240	148
D Cawdor Castle	Mr. James Taylor	5	0	9	225	29·2	34·84	232	158
D Nairn (Firhall)	Lt.-Col. Angus Cameron ..	5	1	0	65	24·7	29·70	222	147
D Nairn (Balblair)	Major R. H. Allanby	5	1	9	94	24·7	30·08	192	150
D Nairn (Achareidh)	Mrs. Clarke	8	1	0	59	23·9	27·96	222	147
D NAIRN (Golf Course)	Town Clerk	8	1	0	20	22·5	28·60	205	132

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE. (Area, 4,146 sq. mi.)									
1.—TAY. Tummel. 28 sq. mi.									
2.—SPEY. Right Bank Tributaries. 437 sq. mi.									
D DALWHINNIE	G. Ritchie, Esq., for M.O.	8	1	0	1176	46·7	59·49	249	204
M Loch Seilich (Gaick Lodge)	N. of S. Hydro-Electric Bd.	5	1	0	1430	...	63·53	...	...
D †Loch Seilich (Tramie Dam)	N. of S. Hydro-Electric Bd.	5	1	0	1430	46·6	60·14	279	219
§Loch Cuaich	N. of S. Hydro-Electric Bd.	5	1	0	1340	...	46·86?	...	...
D Glenshero	British Aluminium Co. Ltd.	8	0	10	880	45·9	59·39	243	204
d Glenfeshie Lodge	Department of Agriculture	5	1	0	1170	...	49·27	261	196
D Aviemore (Kinrara)	Wm. Murphy, Esq.	5	1	7	800	...	39·62	219	178
D Loch Morlich (GLENMORE LODGE) ..	D. of Field Studies, for M.O.	5	1	0	1075	...	44·81	247	185
3.—SPEY. Left Bank Tributaries. 257 sq. mi.									
M Loch Spey	British Aluminium Co. Ltd.	5	1	0	1164	64·9	78·20	...	...
Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	8	1	0	1135	55·2	72·08	...	...
D §Laggan (Gergask)	Mrs. J. A. Gillies	8	1	5	900	...	44·69	271	195
D Kingussie	Miss Jessie Dallas	8	1	0	800	...	40·24	271	183
D Carrbridge (Rose Cottage)	Mr. A. F. Pantou	5	1	0	850	...	34·86	177	158
4.—FINDHORN. 164 sq. mi.									
D Tomatin (Dalmigavie Lodge)	C. W. Christie-Miller, Esq.	5	1	2	1150	42·5	51·09	261	207
5.—NAIRN & C. 131 sq. mi.									
d Inverness (Cameron Barracks)	Officer Commanding	5	1	0	50	...	27·93	245	159
D Dalcross Airfield	(+A) Meteorological Office ..	5	1	0	35	...	27·70	197	139
6.—NESS. Right Bank Tributaries. 252 sq. mi.									
Glen Triff (Allt Lagan a'Bhainnie) ..	N. of S. Hydro-Electric Bd.	5	1	2	1262	...	(71·95)	...	...
d Invergarry (Aberchalder Lodge) ..	N. of S. Hydro-Electric Bd.	5	1	0	180	...	57·46	243	198
M Auchterawe (Lon Mor)	Forestry Commission	5	1	0	525	...	61·42	...	...
D Fort Augustus (Auchterawe)	Forestry Commission	5	0	6	136	47·7	58·32	232	200
D FORT AUGUSTUS (St. Benedicts) ..	Procurator	5	1	0	68	44·2	51·63	244	193
D Loch Ness (Garthbeg)	British Aluminium Co. Ltd.	8	1	0	630	40·1	46·47	261	207
D Loch Ness (Foyers)	British Aluminium Co. Ltd.	8	1	0	52	38·2	45·65	245	174
D Loch Ness (Aberchalder)	British Aluminium Co. Ltd.	8	1	0	700	39·4	43·56	250	183
W Loch Ashie	Town Council	5	1	0	718	...	36·37	...	...
D INVERNESS (Culduthel Reservoir) ..	Town Council	5	1	0	242	27·6	31·68	228	165
7.—NESS. Garry & c. 185 sq. mi.									
Loch Quoich (Loan)	N. of S. Hydro-Electric Bd.	5	1	0	750	125·7	186·22	...	...
d Loch Quoich (Cruadhach)	N. of S. Hydro-Electric Bd.	5	1	0	710	...	194·38	267	248
Glen Kingie (Lachan na Sgud)	N. & S. Hydro-Electric Bd.	5	1	0	470	...	105·77	...	...
D Invergarry (Craigard)	N. of S. Hydro-Electric Bd.	5	1	0	181	...	65·25	243	189
D Glen Garry (Kingie Camp)	(+A) N. of S. Hydro-Electric Bd.	5	1	0	480	...	107·30	259	227
D Glen Garry (Inchlaggan)	N. of S. Hydro-Electric Bd.	5	1	0	360	...	76·24	261	222
D Loch Quoich (Glenquoich)	Mr. R. McRae*	5	1	2	569	110·7	122·61	268	231
Glen Quoich (Alltbeithe)	N. of S. Hydro-Electric Bd.	5	1	0	760	...	123·21	...	...
8.—NESS. Moriston. 120 sq. mi.									
d Cluanie Camp	N. of S. Hydro-Electric Bd.	5	0	8	610	...	86·18	...	...
d Glenmoriston (Ceannacroc)	N. of S. Hydro-Electric Bd.	5	1	0	427	...	74·99	...	...
Glen Moriston (Corrie Doe)	N. of S. Hydro-Electric Bd.	5	1	0	936	...	89·87	...	...
D Glenmoriston (Blairie)	N. of S. Hydro-Electric Bd.	5	1	0	229	...	51·53	221	188
d Glenmoriston (Invermoriston Hotel)	N. of S. Hydro-Electric Bd.	5	1	0	70	44·0	48·18	...	...
d Invermoriston (Allt Saigh)	N. of S. Hydro-Electric Bd.	5	1	1	95	41·2	47·18	...	...

§ Turf wall round gauge.

* Per Capt. W. N. McClean (River Flow Records).

† Formerly known as Loch an-t Seilich.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE—(contd.)									
9.—NESS. Enrick. 133 sq. mi.									
M Glen Urquhart Forest	Forestry Commission ..	5	1	0	1000	45.0	(49.67)	..	..
d Glen Urquhart House	G. S. Wilkinson, Esq. ..	5	1	3	470	36.1	42.41	...	...
10.—BEAULY. 341 sq. mi.									
M Glen Affric (Creag na Calman) ..	N. of S. Hydro-Electric Bd.	5	1	0	1050	71.7	91.10	...	...
d Glen Affric (Affric Lodge) ..	N. of S. Hydro-Electric Bd.	5	1	0	765	59.4	78.09	...	244
M Glen Fiadh	N. of S. Hydro-Electric Bd.	5	1	0	1550	83.3	103.60	...	...
d Glen Affric (Benevean Dam) ..	N. of S. Hydro-Electric Bd.	5	1	0	762	...	64.38	...	...
D Cannich (Balcladaich)	Forestry Commission ..	5	1	0	350	45.9	52.25	258	210
D Cannich (Fasnakyle)	N. of S. Hydro-Electric Bd.	5	1	0	264	42.6	50.03	235	189
Glen Affric (Loch na Gobhlaig) ..	N. of S. Hydro-Electric Bd.	5	1	0	2030	...	69.55	...	...
D Glen Cannich (Mullardoch Dam) (+A)	N. of S. Hydro-Electric Bd.	5	1	0	672	63.4	82.96	253	229
D Strathglass (Glassburn)	Maj.-Gen. A. L. Collier, C.B.E.	5	1	0	170	42.5	51.11	256	190
d Glen Farrar (Broulin Lodge) ..	N. of S. Hydro-Electric Bd.	5	1	0	500	...	66.61	...	...
d Glen Farrar (Leishmore)	N. of S. Hydro-Electric Bd.	5	1	0	200	...	46.76	...	...
11.—CROMARTY FIRTH. 13 sq. mi.									
12.—SOUND OF SLEAT. 259 sq. mi.									
D Arisaig (Traigh House)	Mrs. Vera Shaw Stewart ..	5	1	0	20	...	69.92	257	220
D Loch Morar (Rhubana)	N. of S. Hydro-Electric Bd.	5	1	0	52	...	83.39	275	236
D Loch Nevis (Inverie Gardens) ..	Mr. D. A. Strutt	5	1	0	15	84.0	92.69	263	251
D Loch Hourn (Kinlochourn) ..	Ewen MacRae, Esq. ..	5	1	0	18	100.7	118.03	263	238
13.—SOUND OF ARISAIG. 126 sq. mi.									
d Moidart (Glenmoidart)	Miss Margery Lees ..	5	1	0	200	84.5	100.02	263	248
D Loch Ailort (Inverailort) ..	F. S. Cameron-Head, Esq.	5	1	0	8	...	108.76	275	247
D Loch Ailort (Polnish)	C. M. Wedderburn, Esq. ..	5	1	0	120	78.0	91.13	269	239
D Arisaig House	Mr. J. MacPherson ..	5	1	0	40	62.9	82.55	288	241
14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.									
15.—LOCHY. Right Bank Tributaries. 143 sq. mi.									
w Glen Loy (Erracht)	Major E. C. Cameron ..	5	1	0	150	79.8	89.89	...	...
D Loch Arkaig (Achnacarry) ..	Lt.-Col. D. H. Cameron of Lochiel	5	1	0	128	80.6	87.82	264	217
D Clunes (Loch Lochy West) ..	Lt.-Col. D. H. Cameron of Lochiel	5	1	6	110	73.6	87.21	248	228
M Clunes (Kilmallie)	Forestry Commission ..	5	1	0	1050	...	87.54	...	...
16.—LOCHY. Left Bank Tributaries. 362 sq. mi.									
Fort William (Allt a'Mhuilinn) ..	British Aluminium Co. Ltd.	8	1	0	1000	83.6	69.04	...	...
D Fort William (The Factory) ..	British Aluminium Co. Ltd.	8	1	0	75	73.0	71.30	248	211
Roy Bridge (Lairig Road)	British Aluminium Co. Ltd.	8	1	0	1650	85.7	85.10	...	...
Spean Bridge (The Cour)	British Aluminium Co. Ltd.	5	1	0	1050	92.4	96.95	...	...
Sgurr Finisgaig	British Aluminium Co. Ltd.	8	1	0	1850	89.4	101.54	...	...
D Loch Treig (Fersit)	British Aluminium Co. Ltd.	8	1	0	850	62.9	89.95	252	226
Loch Pattack	Sir J. F. Ramsden, Bart. ..	5	0	9	1420	58.8	75.70	...	...
M Glen Spean (Craigbeg)	British Aluminium Co. Ltd.	8	1	0	860	58.6	(74.85)	...	...
D Spean Bridge (Spean Lodge) ..	Mr. J. D. McHardy ..	5	1	3	200	64.5	74.56	215	206
w Spean Bridge (Gairloch)	J. McLaren, Esq. ..	5	1	0	100	74.2	87.15	...	...
D Loch Laggan (Ardverikie) ..	Sir J. F. Ramsden, Bart. ..	5	0	6	838	54.0	73.14	260	218
17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.									
D ONICH	Forestry Commission ..	5	1	3	48	77.4	101.15	247	233
D Onich (Corran Gardens)	R. W. Paine, Esq. ..	5	1	0	72	...	96.52	256	223
D Glenleven (Blackwater Dam, N.) ..	British Aluminium Co. Ltd.	8	1	0	1100	85.5	101.02	285	235

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE—(contd.)									
17.—LOCH LINNHE—(contd.)									
M Glenleven (Loch Eilde Mhor)	British Aluminium Co. Ltd.	8	1	6	1130	94.9	104.14	...	...
d Glenleven (Corrour)	British Aluminium Co. Ltd.	8	1	0	1350	70.1	87.34	...	...
d FORT WILLIAM (Teviot) .. (+A)	J. W. Ainslie, Esq.	8	1	0	34	78.9	92.18	250	219
D Fort William (Glasdrum)	British Aluminium Co. Ltd.	5	1	0	216	75.9	91.33	254	219
18.—INSULAR. INNER HEBRIDES. 832 sq. mi.									
D Isle of Eigg	Rt. Hon. Viscount Runciman	5	1	0	120	59.2	68.09	254	229
D Skye (Glenbrittle) (+A)	Mr. Ewen MacRae	5	1	0	30	...	98.54	276	248
D Skye (Broadford)	P. B. Dundas, Esq.	5	1	0	23	76.8	86.76	273	229
D Skye (Kyleakin, Dunningell)	W. A. Douglas-Hamilton, Esq.	5	1	0	70	...	68.58	277	222
d Skye (Grula)	Forestry Commission	5	1	0	60	...	102.02	286	258
D Skye (Tallisker)	James A. Cameron, Esq.	5	1	0	15	...	70.77	262	247
D Skye (Loch Harport, Carboist)	Mr. D. M. MacCaskill	5	1	0	160	...	101.42	279	259
D Skye (Portree)	Mr. D. Stewart	5	1	0	65	73.1	70.35	263	242
d Skye (Loch Leathan)	N. of S. Hydro-Electric Bd.	5	0	9	480	...	79.38	287	260
D Skye (DUNTULM, Kilmuir)	Seton Gordon, Esq., C.B.E.	5	1	0	294	53.5	61.12	283	235
19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.									
D Barra (Loch an Duin) .. (+A)	Department of Agriculture	5	1	0	120	...	62.25	279	230
D BENBECULA Airport (+A)	Meteorological Office	5	1	0	18	...	56.14	277	232
D Harris (Kyles Lodge)	L. H. Lomas, Esq.	5	1	0	20	...	70.53	279	244
ROSS & CROMARTY. (Area, 3,237 sq. mi.)									
1.—NESS. Moriston. 35 sq. mi.									
2.—BEAULY. 109 sq. mi.									
D Loch Monar (Strathmore Lodge)	N. of S. Hydro-Electric Bd.	5	0	11	673	75.3	82.34	251	228
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.									
D § FORTROSE	Rev. W. Craig	5	1	0	69	23.8	29.47	213	147
d Fearn (Geanies)	Capt. K. Murray, J.P.	5	1	0	200	22.8	28.44	...	...
4.—CROMARTY FIRTH. 714 sq. mi.									
w Upper Meig (Gleann Fhiodhaig)	N. of S. Hydro-Electric Bd.	5	1	1	760	...	(78.33)	...	...
D River Meig (Corrie-feol)	N. of S. Hydro-Electric Bd.	5	1	0	760	...	80.92	251	217
D Muir of Ord (Fairburn)	Major J. S. Stirling	5	1	0	400	36.2	44.16	225	171
D Strathconan (Bridgend)†	N. of S. Hydro-Electric Bd.	5	1	0	500	...	59.73	215	196
d Loch Rosque (Luibmore)	N. of S. Hydro-Electric Bd.	5	1	0	550	...	84.34	...	...
D Loch Luichart (East)	N. of S. Hydro-Electric Bd.	5	1	0	165	39.5	50.33	246	200
D Achnasheen (Druimdhru)	N. of S. Hydro-Electric Bd.	5	0	10	540	...	71.94	237	220
D Lochluichart (The Manse)	N. of S. Hydro-Electric Bd.	5	1	0	310	42.0	52.51	230	199
d Loch Fannich (Cabuie)	N. of S. Hydro-Electric Bd.	5	1	0	850	79.5	87.43	(273)	(252)
D Lochluichart (Aultdearg)	N. of S. Hydro-Electric Bd.	5	1	0	725	53.6	56.92	271	214
M Garbat (Dubh Choille)	Forestry Commission	5	1	0	1150	46.7	60.59	...	...
D Garbat Forest (Longart)	Forestry Commission	5	1	0	500	42.9	62.33	245	233
D Strath Vaich Schoolhouse	N. of S. Hydro-Electric Bd.	5	1	0	700	44.7	58.74	248	201
d Strath Vaich Lodge	N. of S. Hydro-Electric Bd.	5	1	0	790	...	64.96	...	...
D Alness (Ardross School)	J. H. Ross, Esq.	5	1	6	495	...	37.46	230	170
5.—DORNOCH FIRTH. 355 sq. mi.									
D Tain (Mayfield)	Dr. E. W. Fraser	5	1	0	77	29.0	35.67	228	132
D TARBATNESS	Principal Keeper, for M.O.	5	1	0	60	22.2	25.89	197	137
6.—ENARD BAY. 78 sq. mi.									

§ Turf wall round gauge.

† Gauge moved 1 mi. from Dalbreac Lodge 18.1.54.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		above		Rain-fall	Days with	Days with
			Rim	Ground	above	Sea Level		·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.		in.		
ROSS & CROMARTY—(contd.)									
7.—LOCH BROOM & C. 367 sq. mi.									
d Loch Droma	N. of S. Hydro-Electric Bd.	5	1	0	940	...	67·33	268	240
D Inverbroom (Glackour)	Forestry Commission ..	5	1	0	65	56·5	64·63	265	224
D Dundonnell House	Lt.-Col. Sir T. M. Peto, Bart.	5	1	0	150	...	79·24	262	234
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.									
w Loch Torridon (Torridon House) ..	Capt. R. G. Gunter ..	5	1	0	25	...	78·54	...	...
D KINLOCHEWE (Anancaun)	Nature Conservancy ..	5	1	0	82	...	90·76	288	239
D Loch Bad-na-Sgalaig	N. of S. Hydro-Electric Bd.	5	1	0	500	...	73·72	306	247
D Gairloch (Badachro)	N. of S. Hydro-Electric Bd.	5	1	0	50	...	57·38	264	228
D Inverasdale (Midtown)	Alex. J. MacLeod, Esq. ..	5	1	0	40	...	68·49	255	225
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.									
D Glenshiel (Kyle)	Forestry Commission ..	5	1	0	600	135·2	147·96	268	251
D Loch Duich (Ratagan)	Forestry Commission ..	5	1	0	12	82·3	94·68	268	233
M Loch Duich (Druim Sgurr)	Forestry Commission ..	5	1	0	1000	81·2	90·51	...	...
D Loch Alsh (Nostie)	N. of S. Hydro-Electric Bd.	5	1	0	25	...	80·43	277	232
d Balmacara House	Principal	5	1	0	2	...	68·35	...	...
D Stromeferry (Dailfearn)	Forestry Commission ..	5	0	8	100	...	73·99	260	238
M Stromeferry (Am Meallan)	Forestry Commission ..	5	1	3	625	...	77·34	...	...
d Lochcarron	R. MacLean, Esq. ..	5	1	0	5	...	81·16	285	232
D Applecross Gardens	Mr. K. MacLeod ..	5	1	6	70	57·3	62·70	...	...
D ACHNASHELLACH	Forestry Commission ..	5	1	0	225	79·9	91·44	278	241
M §Coulin Pass	Forestry Commission ..	5	1	0	950	...	102·95	...	...
10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.									
Stornoway Lighthouse	Com'rs. of N. Lighthouses	5	0	6	28	...	48·89	...	236
D §STORNOWAY Airport	(+A) Meteorological Office ..	5	1	0	11	...	46·88	281	214
D Stornoway (Back Schoolhouse) ..	A. Matheson, Esq., B.Sc. ..	5	1	0	102	...	50·13	276	229

DIVISION XIX—NORTHERN COUNTIES

SUTHERLAND. (Area, 2,080 sq. mi.)

1.—DORNOCH FIRTH. 413 sq. mi.									
D Dornoch (Ospisdale)	F. N. Sudlow, Esq. ..	8	1	2	50	...	38·30	248	182
D Strath Oykell (Rosehall)	Mr. A. Munro	5	1	0	200	36·8	42·33	263	201
D Glenrossal	Lt.-Col. P. C. H. Grant ..	5	1	0	130	...	54·14	257	199
D Glen Gassley (Dalphaid)	N. of S. Hydro-Electric Bd.	5	1	0	352	...	74·04	...	211
D Overscaig	N. of S. Hydro-Electric Bd.	5	1	0	304	...	73·16	268	229
D Lairg (Crask)	Mr. Hugh Murray ..	5	1	0	740	...	60·65	274	231
D Loch Shin (Corrykinloch)	N. of S. Hydro-Electric Bd.	5	1	0	356	72·0	79·54	304	255
2.—FLEET, BRORA & C. 309 sq. mi.									
D Loch Merkland	N. of S. Hydro-Electric Bd.	5	1	0	383	...	80·10	246	230
d Lairg (Dalnessie)	Mr. H. Sutherland ..	5	2	0	600	...	42·76	...	...
3.—HELMSDALE & C. 226 sq. mi.									
4.—NORTH COAST STREAMS. 736 sq. mi.									
Skerray (Borgie)	Forestry Commission ..	5	1	0	110	37·5	48·38	...	...
D Tongue	D. Murray, Esq. ..	5	1	0	40	41·5	47·89	271	225
D STRATHY (Bowside)	Department of Agriculture	5	1	0	125	...	46·73	280	239

§ Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
SUTHERLAND—(contd.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—NORTH COAST STREAMS.—(contd.)									
D Melvich School	W. Macdonald, Esq. ..	5	1	0	200	...	43·36	252	208
D Durness	W. Morley Hames, Esq. ..	5	1	0	105	...	56·77	293	254
D CAPE WRATH	Principal Keeper, for M.O.	5	1	0	367	41·3	57·75	271	225
5.—LOCH LAXFORD & C. 256 sq. mi.									
6.—ENARD BAY. 138 sq. mi.									
D Loch Stack (Ardchullin)	Mr. W. M. Scobie	5	1	0	150	...	77·29	288	235
d Elphin	Capt. H. MacLeod	5	1	2	750	61·4	76·76	...	...
D Lochinver (Bank House)	G. W. Gordon, Esq., J.P. ..	5	1	0	22	44·6	53·37	255	223
D Stoer	Mr. N. A. Mackenzie	5	1	0	70	...	44·57	253	215
7.—INSULAR. 2 sq. mi.									
CAITHNESS. (Area, 696 sq. mi.)									
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.									
Berriedale (Langwell)	The Duke of Portland ..	5	1	6	105	33·8	34·84	...	...
Clythness	Com'rs. of N. Lighthouses	5	1	5	133	29·6	32·93	193	187
2.—WICK & C. 184 sq. mi.									
D Wick Airport	(+A) Meteorological Office ..	5	1	0	119	29·9	36·93	248	173
Noss Head	Com'rs. of N. Lighthouses	5	0	9	129	25·1	38·97	210	183
3.—THURSO & C. 238 sq. mi.									
d Halkirk (Westerdale)	Rev. A. S. Maciver	5	1	0	195	...	41·51	251	216
d Loch Calder (Achavarn Lodge) ..	County Water Engineer ..	5	1	0	218	...	44·73	263	205
D Thurso (Buckies)	Miss J. W. Davidson	5	0	11	240	39·0	38·44	253	198
Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0	8	68	...	38·30	248	231
4.—FORSS & C. 104 sq. mi.									
5.—INSULAR. 1 sq. mi.									
Stroma	Com'rs. of N. Lighthouses	5	3	0	54	25·5	45·01	208	186
ORKNEY ISLANDS (Area, 389 sq. mi.)									
Hoy (Cantick Head)	Com'rs. of N. Lighthouses	5	3	10	68	32·9	41·87	237	196
Hoy (Graemsay Sound, High) ..	Com'rs. of N. Lighthouses	5	1	4	29	35·8	46·90	249	202
D §GRIMSETTER Airport	(+A) Meteorological Office ..	5	1	0	84	...	47·06	259	195
D Stenness	Mr. P. Leith, Jr.	5	1	0	75	...	49·66	268	211
Hellyar Holm	Com'rs. of N. Lighthouses	5	1	3	35	32·9	40·05	208	164
Shapinsay (Balfour Castle) ..	Mr. J. W. Liddell	5	0	5	50	32·0	46·41	...	...
Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1	0	27	31·1	41·10	241	197
North Ronaldshay	Com'rs. of N. Lighthouses	5	0	9	22	32·8	41·77	209	183
D SULE SKERRY	Principal Keeper, for M.O.	5	1	0	43	...	49·19	269	223
SHETLAND ISLANDS. (Area, 558 sq. mi.)									
d Sandwick	Zetland County Council ..	5	1	0	400	...	53·56	267	208
D Burra Isle	Zetland County Council ..	5	1	0	100	...	49·73	226	201
D LERWICK OBSERVATORY	(+A) Meteorological Office ..	5	1	0	269	38·1	49·66	252	199
D Bixter (Vementry)	Capt. D. Cross	5	1	1	25	37·2	46·81	262	204
D Whalsey (Saltness)	Zetland County Council ..	5	1	0	250	...	41·55	261	191
d BALTASOUND (Halligarth)	Mr. P. Tait	5	1	0	30	42·1	48·11	270	212

§ Turf wall round gauge.

Northern Ireland

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Ground	Sea Level			or	or
								more	more
FERMANAGH. (Area, 713 sq. mi.)									
1.—ERNE. 667 sq. mi.									
D Newtownbutler (Crom Castle) ..	The Earl of Erne ..	5	1	0	200	38·7	46·28	287	191
D Florencecourt ..	The Earl of Enniskillen ..	5	1	0	274	48·5	57·76	254	190
D Enniskillen (Bellevue) ..	Lady Margaret Lowry-Corry ..	5	1	0	210	41·0	46·84	278	196
D Colebrooke ..	Sir Basil Brooke, Bart. ..	5	1	0	250	...	50·23	227	185
D Ballinamallard (Rossfad) ..	Lt.-Col. H. S. C. Richardson ..	5	0	11	200	...	52·14	...	...
d Belleek (Roscor) ..	Mrs. M. K. Dick, for M.O. ..	5	1	0	500	...	58·54	273	229
D Belleek ..	Mrs. Beacom ..	5	1	2	150	45·5	56·38	273	225
D Irvinestown (R.U.C.) ..	Sergeant in Charge* ..	5	1	0	303	...	48·30	262	197
D CASTLE ARCHDALE Airfield ..	(+A) Meteorological Office ..	5	1	0	240	...	50·16	249	204
2.—DROWES & C. 46 sq. mi.									
ARMAGH. (Area, 514 sq. mi.)									
1.—DUNDALK BAY. 118 sq. mi.									
2.—CARLINGFORD LOUGH. 23 sq. mi.									
D Bessbrook (The Woodhouse) ..	J. S. W. Richardson, Esq. ..	5	1	0	260	37·2	51·70	240	188
3.—BANN. Lough Neagh, East. 37 sq. mi.									
4.—BANN. UPPER. 144 sq. mi.									
D Markethill (Whitecross) ..	R.U.C. Barracks* ..	5	1	0	400	...	50·65	233	192
5.—BANN. Lough Neagh, West. 192 sq. mi.									
D Tynan Abbey ..	Sir Norman Stronge, Bart. ..	5	1	0	167	...	40·12	228	186
D ARMAGH Observatory ..	(+A) Director of Obsy., for M.O. ..	5	1	0	205	31·7	40·42	235	186
D Richhill (Sandymount) ..	Mrs. C. B. Lamb ..	5	1	6	200	29·3	40·91	240	192
DOWN. (Area, 961 sq. mi.)									
1.—CARLINGFORD LOUGH. 104 sq. mi.									
D Rostrevor (Baymont) ..	Canon T. F. Campbell ..	5	1	0	100	...	50·27	249	165
D Newry (Bridge Street House) ..	C. Blaney, Esq. ..	5	1	0	23	38·1	48·57	221	169
2.—DUNDRUM BAY & C. 173 sq. mi.									
D KILKEEL (Coastguard Station) ..	Station Officer, for M.O. ..	5	1	0	59	...	39·67	216	170
D Silent Valley (Belfast Waterworks) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	457	...	62·25	242	187
D Annalong (Belfast Waterworks) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	435	47·5	58·80	221	184
M Mourne Mount'ns (Slieve Lamagan) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	1320	...	88·05	...	...
M Mourne Mount'ns (Lough Shannagh) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	1280	65·6	87·20	...	...
M Mourne Mount'ns (Slieve Bearnagh) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	1954	...	80·65	...	...
D Seaforde ..	Lt.-Col. D. C. Forde ..	8	1	0	180	38·3	50·22	187	164
3.—STRANGFORD LOUGH. 260 sq. mi.									
d Downpatrick (Down High School) ..	S. Lyons, Esq.* ..	5	1	0	80	...	38·58	...	142
D Downpatrick (The Mall) ..	E. A. Smith, Esq.* ..	5	1	3	80	...	37·59	210	153
D DUNDONALD (Heatherdene) ..	W. R. McKibbin, Esq. ..	5	1	0	97	...	45·37	230	177
4.—COAST STREAMS. 47 sq. mi.									
D Ballywalter Park ..	Lord Dunleath ..	5	1	0	50	...	42·30	240	156
D Donaghadee (Orlock Reservoir) ..	Resident Engineer ..	5	1	0	23	...	36·86	208	166

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1954		
				Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DOWN—(contd.)				in.	ft.	in.	ft.	in.	in.		
5.—BELFAST LOUGH. 206 sq. mi.											
D	Dromara	Govt. of Northern Ireland ..	5	1	0	400	...	47.52	241	184	
M	Annaghanoon	W. J. Gibson, Esq.	5	1	0	200	...	38.38	...	...	
D	Waringstown (The Forge)	W. J. Gibson, Esq.	5	1	0	184	32.2	38.43	246	175	
D	HILLSBOROUGH (Ag. Research Inst.) ..	Secretary	5	1	0	388	...	40.27	230	176	
D	Hillsborough (Lisadian)	W. J. McCann, Esq.	8	1	0	217	...	40.86	254	178	
D	Dundonald (Moyard)	Dr. F. G. L. Barnes	5	1	0	200	...	44.05	225	171	
D	Knock (Ormiston Drive)	W. R. Carmody, Esq.	5	1	0	100	...	45.68	244	177	
D	Belfast (Kingsway Gardens)	S. Dunlop, Esq.	5	1	0	128	...	46.16	237	176	
D	Conlig Reservoir	Bangor Borough Council ..	5	2	6	213	...	43.74	228	171	
D	Ballysallagh Reservoir	Bangor Borough Council ..	5	2	6	245	...	47.06	223	179	
D	HOLYWOOD (Waterworks)	Town Surveyor	5	1	0	346	...	46.15	225	175	
d	Holywood (Cultra)	Trevor D. Boyd, Esq.	5	1	0	50	...	43.03	...	...	
D	Bangor (Garth House School)	Miss E. N. Swanson	5	1	3	120	...	44.03	220	170	
6.—BANN. Lough Neagh East. 7 sq. mi.											
7.—BANN. UPPER. 162 sq. mi.											
d	Banbridge	Town Surveyor	5	0	6	252	...	42.22	...	...	
8.—INSULAR. 2 sq. mi.											
ANTRIM. (Area, 1,193 sq. mi.)											
1.—BELFAST LOUGH. 107 sq. mi.											
D	LISBURN School	Headmaster	5	1	0	211	34.1	42.09	228	165	
D	Dunmurry (Lagmore)	R. E. D. Bain, Esq., B.A. ..	5	1	0	385	...	52.69	253	208	
D	BELFAST (QUEEN'S UNIVERSITY) ..	Secretary	5	1	0	57	34.5	43.71	231	178	
d	Belfast (Sewage Works)	City Surveyor	8	1	0	26	35.8	44.44	219	157	
D	Belfast (Oldpark Filters)	R. E. D. Bain, Esq., B.A. ..	5	1	0	203	39.0	53.59	242	199	
D	||Carrickfergus (Dorisland)	R. E. D. Bain, Esq., B.A. ..	5	1	0	271	...	52.43	270	199	
D	Carrickfergus (Knockagh)	R. E. D. Bain, Esq., B.A. ..	5	1	0	723	...	56.49	260	207	
D	Carrickfergus (South Woodburn)	R. E. D. Bain, Esq., B.A. ..	5	1	0	640	44.5	57.04	272	212	
D	Carrickfergus (North Woodburn)	R. E. D. Bain, Esq., B.A. ..	5	1	0	735	45.5	57.95	268	211	
D	Carrickfergus (Copeland)	R. E. D. Bain, Esq., B.A. ..	5	1	0	427	40.0	52.76	262	200	
D	Carrickfergus (Lough Mourne)	R. E. D. Bain, Esq., B.A. ..	5	1	0	596	42.5	56.32	271	209	
2.—GLENARM & C. 186 sq. mi.											
D	Larne (Ballycarry)	John Mc.Clintock, Esq. ..	5	1	0	210	...	49.80	236	189	
D	Larne (Sallagh Springs)	H. C. Walker, Esq.	5	1	0	566	50.0	56.41	238	206	
3.—BUSH & C. 193 sq. mi.											
D	Ballycastle (Coolgreany)	E. R. Casement, Esq.	5	1	0	90	...	52.21	256	212	
4.—BANN. LOWER. 112 sq. mi.											
D	Toomebridge	M. of Finance Lock Keeper*	5	1	0	59	...	39.14	230	178	
5.—BANN. Lough Neagh, East. 590 sq. mi.											
D	Stoneyford (Belfast Waterworks)	R. E. D. Bain, Esq., B.A. ..	5	1	0	453	...	46.52	259	190	
D	Leathamstown (Belfast Waterworks) ..	R. E. D. Bain, Esq., B.A. ..	5	1	0	534	...	44.73	258	195	
D	NUTTS CORNER (Belfast Airport)	Meteorological Office	5	1	0	338	...	46.23	233	182	
D	ALDERGROVE Airfield	(+A) Meteorological Office ..	5	1	0	220	33.0	39.02	237	175	
D	Randalstown	Old Bleach Linen Co., Ltd. ..	5	1	0	100	...	45.36	263	181	
w	Ballyclare (Little Ardymagh)	F. G. Johnston, Esq.	5	0	10	741	...	58.61	...	...	
D	Ballymena (Harryville)	R. Leatham, Esq.	5	1	0	150	41.5	49.86	264	195	
D	Broughshane (Quolie)	H. W. Craig, Esq., C.E. ..	5	1	6	864	47.3	64.62	279	220	

* Per Govt. of Northern Ireland.

|| Gauge over-exposed.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1954		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
ANTRIM—(contd.)									
6.—INSULAR. 5 sq. mi.									
LONDONDERRY. (Area, 816 sq. mi.)									
1.—LOUGH SWILLY. 6 sq. mi.									
2.—BUSH & C. 9 sq. mi.									
3.—BANN. LOWER. 240 sq. mi.									
D Upperlands (Ardara)	H. J. Clark, Esq.	5	2	0	250	...	50·32	269	202
D GARVAGH (MONEYDIG)	J. Porter, Esq.	5	1	0	121	38·8	48·88	271	204
D Coleraine (The Cutts)	M. of Finance Lock Keeper*	5	1	0	22	37·5	46·48	261	212
D Coleraine (Ingledene)	W. R. Johnston, Esq. ..	5	3	4	55	36·9	45·75	258	195
4.—BANN. Lough Neagh, West. 196 sq. mi.									
D Draperstown (Ard Muiri) ..	James Gunn, Esq.* ..	5	1	0	267	...	61·16	273	203
5.—FOYLE & C. 365 sq. mi.									
M Glenedra (Spelhoagh Mountain) ..	Londonderry C.B.C. ..	5	1	0	1333	60·0	72·92	...	...
M Glenedra Hill	Londonderry C.B.C. ..	5	1	0	1333	62·5	76·16	...	...
M Glenedra Lodge	Londonderry C.B.C. ..	5	1	0	950	57·0	69·09	...	...
M ||Glenedra (Altagarra Mountain) ..	Londonderry C.B.C. ..	5	1	0	1230	...	66·69	...	...
M Dungiven (Labbyheige)	Londonderry C.B.C. ..	5	1	0	1150	...	(70·47)	...	...
M Altnaheglis (Altabrogy Burn) ..	Londonderry C.B.C. ..	5	1	0	967	...	65·58	...	...
M Glenedra Intake	Londonderry C.B.C. ..	5	1	0	740	...	62·34	...	...
M Altnaheglis (Glack Burn)	Londonderry C.B.C. ..	5	1	0	967	...	64·94	...	...
D Dungiven (Banagher Filters) ..	Londonderry C.B.C. ..	5	1	0	373	...	63·30	295	236
D Dungiven (Grianan)	A. E. Bunn, Esq.* ..	5	1	0	330	...	51·03	277	207
D Londonderry (Creggan Reservoir) ..	City Surveyor	5	1	0	325	41·8	50·70	272	226
D BALLYKELLY Airfield	(+A) Meteorological Office ..	5	1	0	10	...	38·74	253	193
D Limavady (Drenagh)	Lt.-Col. C. R. McCausland	5	1	6	80	37·0	48·21	253	227
TYRONE. (Area, 1,257 sq. mi.)									
1.—ERNE. 46 sq. mi.									
2.—BANN. Lough Neagh, East. 442 sq. mi.									
D Dungannon (Aloha)	Major R. Stevenson ..	5	1	0	275	37·2	48·19	244	198
D Castlecaulfield (Parkanaur) ..	Major Y. A. Burges ..	8	0	6	250	...	42·77	245	190
D Cookstown (Loughery Agric. College)	J. A. Young, Esq.* ..	5	1	0	208	41·3	48·24	251	185
3.—FOYLE. 769 sq. mi.									
D Omagh (Edenfel)	Mrs. F. M. Hammond Smith	8	1	0	280	40·1	54·82	278	223
D Newtown Stewart (Baronscourt) ..	Estate Manager	5	1	0	250	...	49·91	279	229
d Gortin (Beltrim School)	H. C. Willis, Esq.* ..	5	1	0	393	...	58·77	248	211
D Sion Mills (Sion House)	Capt. J. C. Herdman ..	5	1	0	100	39·1	52·90	251	223

* Per Govt. of Northern Ireland.

|| Gauge over-exposed on moor.